Sheet 1 NUMBERS 1

Write these numbers in figures.

1. fifty-three .....
2. two hundred .....
3. seven hundred and thirty-one .....
4. one hundred and ninety-four .....
5. nine hundred and sixty-one .....
6. five hundred and twelve .....
7. six hundred and forty .....
8. three hundred and eighty-five .....
9. eight hundred and seven .....
10. one thousand .....

Write these numbers in words.

11. 160 .....
12. 532 .....
13. 97 .....
14. 358 .....
15. 703 .....
16. 481 .....
17. 820 .....
18. 919 .....
19. 605 .....
20. 574 .....

Name .....

Sheet 2 PLACE VALUE AND PARTITIONING 2

Examples	359 = 300 + 50 + 9 = 350 + 9 = 300 + 59	682 = 600 + 80 + 2 = 680 + 2 = 600 + 82

Write the value of the underlined digit.

1. 4<u>2</u>5 .....
2. 16<u>9</u> .....
3. <u>5</u>03 .....
4. 9<u>8</u>1 .....
5. <u>6</u>10 .....
6. 37<u>4</u> .....
7. 2<u>3</u>8 .....
8. <u>8</u>29 .....
9. 7<u>5</u>6 .....
10. 40<u>7</u> .....
11. <u>9</u>13 .....
12. 12<u>6</u> .....
13. 8<u>4</u>2 .....
14. <u>3</u>61 .....
15. 5<u>7</u>9 .....

Write the missing number in the box.

16. 248 = 200 + 40 + ☐
17. 634 = 600 + ☐ + 4
18. 187 = ☐ + 80 + 7
19. 705 = 700 + ☐
20. 459 = ☐ + 50 + 9
21. 963 = 900 + ☐ + 3
22. 326 = 300 + 20 + ☐
23. 891 = ☐ + 90 + 1
24. 272 = 200 + ☐ + 2
25. 518 = ☐ + 10 + 8

Write the missing number in the box.

26. 784 = 780 + ☐
27. 496 = 400 + ☐
28. 253 = ☐ + 3
29. 675 = ☐ + 75
30. 328 = 320 + ☐
31. 902 = 900 + ☐
32. 564 = 500 + ☐
33. 839 = ☐ + 9
34. 147 = 140 + ☐
35. 393 = ☐ + 93

Name .....

Sheet 3 FINDING 10, 100 MORE/LESS 3

Work out

1. 175 + 10 .....
2. 803 + 10 .....
3. 646 + 10 .....
4. 328 + 10 .....
5. 492 + 10 .....
6. 260 − 10 .....
7. 937 − 10 .....
8. 509 − 10 .....
9. 781 − 10 .....
10. 614 − 10 .....
11. 347 + 100 .....
12. 695 + 100 .....
13. 158 + 100 .....
14. 524 + 100 .....
15. 872 + 100 .....
16. 419 − 100 .....
17. 731 − 100 .....
18. 186 − 100 .....
19. 297 − 100 .....
20. 563 − 100 .....

Write the missing number in the box.

21. ☐ + 10 = 925
22. ☐ + 10 = 128
23. ☐ + 10 = 762
24. ☐ + 10 = 241
25. ☐ + 10 = 307
26. ☐ − 10 = 650
27. ☐ − 10 = 583
28. ☐ − 10 = 816
29. ☐ − 10 = 439
30. ☐ − 10 = 794
31. ☐ + 100 = 917
32. ☐ + 100 = 384
33. ☐ + 100 = 625
34. ☐ + 100 = 1000
35. ☐ + 100 = 849
36. ☐ − 100 = 251
37. ☐ − 100 = 732
38. ☐ − 100 = 468
39. ☐ − 100 = 96
40. ☐ − 100 = 673

Name .....

Sheet 4 COUNTING IN 1s, 10s, 100s

4

Examples	Count on 4 from 259	→ 263
	Count on 50 from 259	→ 309
	Count on 300 from 259	→ 559

Count on

1. 5 from 258 .....
2. 4 from 786 .....
3. 8 from 903 .....
4. 6 from 349 .....
5. 30 from 570 .....
6. 70 from 852 .....
7. 40 from 194 .....
8. 50 from 761 .....
9. 200 from 317 .....
10. 500 from 285 .....
11. 300 from 633 .....
12. 400 from 429 .....
13. 4 from 187 .....
14. 7 from 708 .....
15. 9 from 234 .....
16. 5 from 419 .....
17. 60 from 851 .....
18. 80 from 396 .....
19. 50 from 673 .....
20. 70 from 962 .....
21. 300 from 520 .....
22. 500 from 435 .....
23. 400 from 209 .....
24. 600 from 157 .....

Complete by filling in the boxes.

25. 454 455 456 457 ☐ ☐ ☐ ☐
26. 835 845 855 865 ☐ ☐ ☐ ☐
27. 197 297 397 497 ☐ ☐ ☐ ☐
28. 586 587 588 589 ☐ ☐ ☐ ☐
29. 763 773 783 793 ☐ ☐ ☐ ☐
30. 18 118 218 318 ☐ ☐ ☐ ☐

Name .....

Sheet 5 COUNTING IN 4s, 8s, 50s, 100s 5

Example Start at 0. Count on 4 steps of 50.



Answer *200*

Count on

1. 5 steps of 4 .....
2. 4 steps of 8 .....
3. 3 steps of 50 .....
4. 5 steps of 100 .....
5. 8 steps of 4 .....
6. 7 steps of 8 .....
7. 6 steps of 50 .....
8. 9 steps of 100 .....
9. 6 steps of 4 .....
10. 10 steps of 8 .....
11. 7 steps of 50 .....
12. 4 steps of 100 .....
13. 7 steps of 4 .....
14. 5 steps of 8 .....
15. 4 steps of 50 .....
16. 8 steps of 100 .....
17. 12 steps of 4 .....
18. 9 steps of 8 .....
19. 5 steps of 50 .....
20. 6 steps of 100 .....
21. 9 steps of 4 .....
22. 6 steps of 8 .....
23. 8 steps of 50 .....
24. 10 steps of 100? .....

Complete by filling in the boxes.

25. 4 8 ☐ 16 ☐ ☐ 28 ☐ 36 ☐
26. ☐ 16 ☐ 32 ☐ 48 56 ☐ 72 ☐
27. 50 100 ☐ 200 250 ☐ ☐ 400 ☐ ☐
28. 100 200 ☐ ☐ 500 600 ☐ 800 ☐ ☐
29. 53 153 253 ☐ 453 ☐ ☐ 753 ☐ ☐
30. 6 56 106 156 ☐ ☐ ☐ ☐ ☐ 456

Name .....

Sheet 6 MENTAL +/− (HTU +/− U) 6

Examples		
	7 + 5 = 12	13 − 9 = 4
	27 + 5 = 32	83 − 9 = 74
	427 + 5 = 432	783 − 9 = 774

Work out

1. 427 + 4 .....
2. 165 + 9 .....
3. 318 + 5 .....
4. 793 + 7 .....
5. 595 − 6 .....
6. 230 − 3 .....
7. 844 − 8 .....
8. 682 − 4 .....
9. 364 + 8 .....
10. 578 + 6 .....
11. 856 + 7 .....
12. 129 + 9 .....
13. 981 − 5 .....
14. 645 − 7 .....
15. 712 − 6 .....
16. 494 − 9 .....
17. 726 + 5 .....
18. 257 + 8 .....
19. 199 + 4 .....
20. 874 + 6 .....
21. 500 − 8 .....
22. 913 − 5 .....
23. 486 − 9 .....
24. 342 − 7 .....

Find

25. 5 more than 617 .....
26. 4 less than 470 .....
27. 8 more than 185 .....
28. 6 less than 954 .....
29. 4 more than 536 .....
30. 9 less than 321 .....
31. 7 more than 869 .....
32. 5 less than 294 .....
33. 6 more than 287 .....
34. 8 less than 735 .....
35. 9 more than 893 .....
36. 7 less than 516 .....
37. 7 more than 624 .....
38. 5 less than 261 .....
39. 4 more than 148 .....
40. 4 less than 372 .....

Name .....

Sheet 7 MENTAL +/− (HTU +/− T) 7

Examples	86 + 40 = 126	119 − 70 = 49
	586 + 40 = 626	419 − 70 = 349

Work out

1	158 + 60	9	491 + 40	17	245 + 80 .....
2	472 + 90	10	753 + 70	18	188 + 30 .....
3	283 + 50	11	367 + 90	19	971 + 70 .....
4	695 + 80	12	546 + 60	20	357 + 50 .....
5	817 − 70	13	938 − 80	21	613 − 60 .....
6	349 − 90	14	194 − 30	22	529 − 80 .....
7	724 − 40	15	279 − 90	23	466 − 70 .....
8	136 − 60	16	842 − 70	24	834 − 50 .....

Find

25	70 more than 769	33	50 more than 598 .....
26	90 less than 433	34	70 less than 251 .....
27	60 more than 581	35	90 more than 735 .....
28	40 less than 208	36	60 less than 122 .....
29	90 more than 396	37	40 more than 673 .....
30	50 less than 947	38	90 less than 356 .....
31	80 more than 874	39	70 more than 987 .....
32	60 less than 262	40	80 less than 864 .....

Name .....

Sheet 8 MENTAL +/− (HTU +/− H) 8

Examples	83 + 400 = 483	765 − 700 = 65
	583 + 400 = 983	965 − 700 = 265

Work out

1	346 + 200	9	192 + 400	17	302 + 300 .....
2	295 + 500	10	647 + 300	18	458 + 400 .....
3	518 + 300	11	53 + 200	19	251 + 700 .....
4	320 + 600	12	378 + 500	20	476 + 200 .....
5	573 − 400	13	609 − 200	21	937 − 500 .....
6	961 − 200	14	924 − 600	22	414 − 300 .....
7	759 − 500	15	586 − 300	23	729 − 400 .....
8	834 − 300	16	431 − 400	24	863 − 200 .....

Find

25	500 more than 154	33	300 more than 272 .....
26	400 less than 679	34	200 less than 394 .....
27	300 more than 91	35	600 more than 135 .....
28	200 less than 708	36	400 less than 977 .....
29	400 more than 382	37	500 more than 469 .....
30	300 less than 945	38	600 less than 650 .....
31	200 more than 617	39	400 more than 215 .....
32	500 less than 536	40	300 less than 683 .....

Name .....

Sheet 9 MENTAL +/− MULTIPLES OF 10

9

Examples	6 + 7 = 13	12 − 4 = 8
	60 + 70 = 130	120 − 40 = 80

Work out

1. 30 + 80 .....
2. 120 + 60 .....
3. 70 + 40 .....
4. 80 + 50 .....
5. 50 + 70 .....
6. 90 + 60 .....
7. 140 + 50 .....
8. 40 + 90 .....
9. 60 + 60 .....
10. 80 + 90 .....
11. 130 + 70 .....
12. 90 + 90 .....
13. 20 + 80 .....
14. 70 + 80 .....
15. 120 + 40 .....
16. 60 + 80 .....
17. 90 + 30 .....
18. 50 + 90 .....
19. 80 + 40 .....
20. 110 + 70 .....
21. 140 − 80 .....
22. 150 − 60 .....
23. 160 − 110 .....
24. 120 − 70 .....
25. 110 − 40 .....
26. 200 − 140 .....
27. 130 − 50 .....
28. 160 − 90 .....
29. 120 − 30 .....
30. 140 − 70 .....
31. 160 − 80 .....
32. 130 − 60 .....
33. 170 − 90 .....
34. 120 − 40 .....
35. 200 − 110 .....
36. 110 − 60 .....
37. 190 − 120 .....
38. 160 − 70 .....
39. 130 − 90 .....
40. 180 − 130 .....

Sheet 10 USING PARTITIONING TO +/− 10

Fill in the boxes.

1 36 + 27 = 36 + 20 + ☐
= 56 + ☐
= ☐

2 59 + 32 = 59 + ☐ + 2
= ☐ + 2
= ☐

3 65 + 59 = 65 + ☐ + ☐
= ☐ + ☐
= ☐

4 97 + 45 = ☐ + ☐ + ☐
= ☐ + ☐
= ☐

5 82 − 55 = 82 − 50 − ☐
= 32 − ☐
= ☐

6 95 − 26 = 95 − ☐ − 6
= ☐ − 6
= ☐

7 127 − 49 = 127 − ☐ − ☐
= ☐ − ☐
= ☐

8 103 − 37 = ☐ − ☐ − ☐
= ☐ − ☐
= ☐

Work out by partitioning.

9 46 + 35 .....

10 78 + 28 .....

11 38 + 34 .....

12 89 + 56 .....

13 67 + 47 .....

14 54 + 29 .....

15 96 + 68 .....

16 79 + 47 .....

17 64 − 37 .....

18 91 − 46 .....

19 72 − 58 .....

20 115 − 29 .....

21 143 − 75 .....

22 86 − 37 .....

23 124 − 89 .....

24 131 − 43 .....

Sheet 11 MENTAL +/− 11

Examples

100 − 57 = ☐

57 → 60 = 3
60 → 100 = 40
Answer *43*

112 − 57 = ☐

57 → 100 = 43
100 → 112 = 12
Answer *55*

Work out

1. 100 − 40 = ☐
2. 100 − 70 = ☐
3. 100 − 5 = ☐
4. 100 − 55 = ☐
5. 100 − 38 = ☐
6. 100 − 91 = ☐
7. 100 − 19 = ☐
8. 100 − 74 = ☐
9. ☐ + 10 = 100
10. ☐ + 60 = 100
11. ☐ + 25 = 100
12. ☐ + 85 = 100
13. ☐ + 46 = 100
14. ☐ + 63 = 100
15. ☐ + 7 = 100
16. ☐ + 82 = 100
17. 110 − 33 .....
18. 130 − 64 .....
19. 105 − 76 .....
20. 143 − 85 .....
21. 125 − 79 .....
22. 137 − 92 .....
23. 104 − 47 .....
24. 119 − 35 .....
25. 156 − 88 .....
26. 122 − 96 .....
27. 113 − 59 .....
28. 141 − 62 .....
29. 108 − 24 .....
30. 136 − 89 .....
31. 114 − 75 .....
32. 123 − 58 .....

Name .....

Sheet 12 WRITTEN METHOD FOR ADDITION 1

12

Examples

$$\begin{array}{r} 5\,9\,3 \\ +\,1\,6\,8 \\ \hline 7\,6\,1 \\ \hline 1\;1 \end{array} \qquad \begin{array}{r} 6\,4\,6 \\ +\,2\,7\,5 \\ \hline 9\,2\,1 \\ \hline 1\;1 \end{array}$$

Work out

1. $\begin{array}{r} 5\,2\,8 \\ +\,1\,5\,4 \\ \hline \end{array}$
2. $\begin{array}{r} 2\,4\,5 \\ +\,1\,9\,3 \\ \hline \end{array}$
3. $\begin{array}{r} 1\,3\,7 \\ +\,1\,2\,5 \\ \hline \end{array}$
4. $\begin{array}{r} 3\,9\,0 \\ +\,3\,6\,6 \\ \hline \end{array}$
5. $\begin{array}{r} 7\,4\,6 \\ +\,2\,4\,7 \\ \hline \end{array}$
6. $\begin{array}{r} 6\,5\,1 \\ +\,1\,8\,5 \\ \hline \end{array}$
7. $\begin{array}{r} 4\,3\,5 \\ +\,3\,9\,5 \\ \hline \end{array}$
8. $\begin{array}{r} 3\,6\,9 \\ +\,1\,5\,4 \\ \hline \end{array}$
9. $\begin{array}{r} 5\,8\,6 \\ +\,1\,7\,9 \\ \hline \end{array}$
10. $\begin{array}{r} 6\,5\,7 \\ +\,2\,4\,8 \\ \hline \end{array}$
11. $\begin{array}{r} 2\,7\,3 \\ +\,2\,4\,0 \\ \hline \end{array}$
12. $\begin{array}{r} 4\,9\,6 \\ +\,4\,8\,4 \\ \hline \end{array}$
13. $\begin{array}{r} 5\,4\,9 \\ +\,2\,7\,2 \\ \hline \end{array}$
14. $\begin{array}{r} 7\,8\,7 \\ +\,1\,5\,3 \\ \hline \end{array}$
15. $\begin{array}{r} 4\,6\,5 \\ +\,2\,8\,9 \\ \hline \end{array}$
16. $\begin{array}{r} 3\,9\,4 \\ +\,2\,1\,6 \\ \hline \end{array}$
17. $\begin{array}{r} 5\,5\,8 \\ +\,1\,6\,9 \\ \hline \end{array}$
18. $\begin{array}{r} 6\,7\,6 \\ +\,3\,9\,6 \\ \hline \end{array}$

Name .....

Sheet 13 WRITTEN METHOD FOR ADDITION 2

13

Examples

$$\begin{array}{r} 285 \\ +\ 249 \\ \hline 534 \\ \hline 1\ 1 \end{array} \qquad \begin{array}{r} 437 \\ +\ 167 \\ \hline 604 \\ \hline 1\ 1 \end{array}$$

Work out

1. $373 + 345 =$ _____
2. $208 + 193 =$ _____
3. $452 + 267 =$ _____
4. $649 + 128 =$ _____
5. $561 + 286 =$ _____
6. $434 + 175 =$ _____
7. $505 + 379 =$ _____
8. $639 + 345 =$ _____
9. $374 + 297 =$ _____
10. $768 + 154 =$ _____
11. $327 + 285 =$ _____
12. $593 + 138 =$ _____
13. $456 + 357 =$ _____
14. $382 + 164 =$ _____
15. $609 + 286 =$ _____
16. $544 + 369 =$ _____
17. $498 + 442 =$ _____
18. $675 + 168 =$ _____

Name .....

Sheet 14 WRITTEN METHOD FOR SUBTRACTION 1 14

Examples

$$\begin{array}{r} {\scriptstyle 6\ \ 1} \\ \cancel{7}\ 3\ 8 \\ -\ 1\ 6\ 5 \\ \hline 5\ 7\ 3 \end{array} \qquad \begin{array}{r} {\scriptstyle 8\ 11\ 1} \\ \cancel{9}\ \cancel{2}\ 3 \\ -\ 5\ 4\ 8 \\ \hline 3\ 7\ 5 \end{array}$$

Work out

1. $\begin{array}{r} 4\ 8\ 2 \\ -\ 3\ 3\ 9 \\ \hline \end{array}$

2. $\begin{array}{r} 3\ 0\ 6 \\ -\ 1\ 2\ 3 \\ \hline \end{array}$

3. $\begin{array}{r} 8\ 7\ 5 \\ -\ 6\ 4\ 8 \\ \hline \end{array}$

4. $\begin{array}{r} 5\ 3\ 4 \\ -\ 2\ 7\ 3 \\ \hline \end{array}$

5. $\begin{array}{r} 6\ 9\ 1 \\ -\ 4\ 5\ 7 \\ \hline \end{array}$

6. $\begin{array}{r} 7\ 4\ 5 \\ -\ 3\ 6\ 5 \\ \hline \end{array}$

7. $\begin{array}{r} 9\ 5\ 7 \\ -\ 7\ 6\ 2 \\ \hline \end{array}$

8. $\begin{array}{r} 2\ 9\ 3 \\ -\ 2\ 4\ 5 \\ \hline \end{array}$

9. $\begin{array}{r} 5\ 1\ 8 \\ -\ 1\ 4\ 4 \\ \hline \end{array}$

10. $\begin{array}{r} 8\ 7\ 6 \\ -\ 3\ 5\ 8 \\ \hline \end{array}$

11. $\begin{array}{r} 7\ 2\ 5 \\ -\ 5\ 7\ 9 \\ \hline \end{array}$

12. $\begin{array}{r} 4\ 8\ 0 \\ -\ 1\ 2\ 7 \\ \hline \end{array}$

13. $\begin{array}{r} 6\ 6\ 4 \\ -\ 3\ 0\ 8 \\ \hline \end{array}$

14. $\begin{array}{r} 9\ 5\ 9 \\ -\ 4\ 7\ 6 \\ \hline \end{array}$

15. $\begin{array}{r} 3\ 9\ 2 \\ -\ 2\ 1\ 3 \\ \hline \end{array}$

16. $\begin{array}{r} 7\ 0\ 7 \\ -\ 3\ 4\ 0 \\ \hline \end{array}$

17. $\begin{array}{r} 4\ 3\ 5 \\ -\ 2\ 8\ 4 \\ \hline \end{array}$

18. $\begin{array}{r} 8\ 6\ 1 \\ -\ 1\ 7\ 6 \\ \hline \end{array}$

Name .....

Sheet 15 WRITTEN METHOD FOR SUBTRACTION 2 15

Examples

$$\begin{array}{r} {}^{7}\cancel{8}\,{}^{10}\cancel{1}\,7 \\ -\ 6\ 5\ 8 \\ \hline 1\ 5\ 9 \end{array} \qquad \begin{array}{r} {}^{5}\cancel{6}\,{}^{13}\cancel{4}\,5 \\ -\ 2\ 4\ 9 \\ \hline 3\ 9\ 6 \end{array}$$

Work out

1. $373 - 145$ = _____
2. $756 - 380$ = _____
3. $590 - 274$ = _____
4. $225 - 163$ = _____
5. $984 - 527$ = _____
6. $414 - 230$ = _____
7. $848 - 495$ = _____
8. $661 - 354$ = _____
9. $337 - 292$ = _____
10. $585 - 317$ = _____
11. $469 - 174$ = _____
12. $952 - 258$ = _____
13. $794 - 296$ = _____
14. $528 - 138$ = _____
15. $846 - 582$ = _____
16. $415 - 366$ = _____
17. $970 - 385$ = _____
18. $653 - 497$ = _____

Name .....

Sheet 16 MISSING NUMBER PROBLEMS +/− 16

Examples

85 + ☐ = 109
109 − 85 = 24
Missing number is 24

☐ − 50 = 279
279 + 50 = 329
Missing number is 329

Write the missing number in the box.

1. 65 + ☐ = 100
2. 12 + ☐ = 100
3. 47 + ☐ = 100
4. 100 − ☐ = 29
5. 100 − ☐ = 84
6. 100 − ☐ = 56
7. ☐ + 6 = 125
8. ☐ + 9 = 793
9. ☐ + 5 = 342
10. ☐ − 8 = 867
11. ☐ − 4 = 438
12. ☐ − 7 = 250
13. 48 + ☐ = 71
14. 65 + ☐ =110
15. 87 + ☐ =146
16. 93 − ☐ = 65
17. 121 − ☐ = 79
18. 104 − ☐ = 47
19. ☐ + 50 = 478
20. ☐ + 20 = 305
21. ☐ + 60 = 823
22. ☐ − 30 = 539
23. ☐ − 70 = 266
24. ☐ − 40 = 772
25. 59 + ☐ = 95
26. 96 + ☐ = 161
27. 74 + ☐ = 122
28. 81 − ☐ = 37
29. 115 − ☐ = 86
30. 132 − ☐ = 59
31. ☐ + 300 = 946
32. ☐ + 500 = 782
33. ☐ + 200 = 617
34. ☐ − 400 = 190
35. ☐ − 300 = 453
36. ☐ − 600 = 238

Sheet 17 MULTIPLICATION FACTS FOR 3 17

Write the missing number in the box.

1. $8 \times 3 =$ ☐
2. $5 \times 3 =$ ☐
3. $11 \times 3 =$ ☐
4. $2 \times 3 =$ ☐
5. $10 \times 3 =$ ☐
6. $1 \times 3 =$ ☐
7. $9 \times 3 =$ ☐
8. $6 \times 3 =$ ☐
9. $3 \times 3 =$ ☐
10. $7 \times 3 =$ ☐
11. $4 \times 3 =$ ☐
12. $12 \times 3 =$ ☐

13. $12 \div 3 =$ ☐
14. $27 \div 3 =$ ☐
15. $3 \div 3 =$ ☐
16. $36 \div 3 =$ ☐
17. $21 \div 3 =$ ☐
18. $9 \div 3 =$ ☐
19. $30 \div 3 =$ ☐
20. $18 \div 3 =$ ☐
21. $6 \div 3 =$ ☐
22. $33 \div 3 =$ ☐
23. $15 \div 3 =$ ☐
24. $24 \div 3 =$ ☐

25. ☐ $\times 3 = 18$
26. ☐ $\times 3 = 9$
27. ☐ $\times 3 = 33$
28. ☐ $\times 3 = 15$
29. ☐ $\times 3 = 24$
30. ☐ $\times 3 = 6$
31. ☐ $\times 3 = 36$
32. ☐ $\times 3 = 12$
33. ☐ $\times 3 = 30$
34. ☐ $\times 3 = 27$
35. ☐ $\times 3 = 3$
36. ☐ $\times 3 = 21$

37. ☐ $\div 3 = 7$
38. ☐ $\div 3 = 1$
39. ☐ $\div 3 = 5$
40. ☐ $\div 3 = 12$
41. ☐ $\div 3 = 9$
42. ☐ $\div 3 = 6$
43. ☐ $\div 3 = 10$
44. ☐ $\div 3 = 3$
45. ☐ $\div 3 = 4$
46. ☐ $\div 3 = 11$
37. ☐ $\div 3 = 2$
48. ☐ $\div 3 = 8$

Name .....

Sheet 18 MULTIPLICATION FACTS FOR 4

Write the missing number in the box.

1. $5 \times 4 =$ ☐
2. $3 \times 4 =$ ☐
3. $11 \times 4 =$ ☐
4. $7 \times 4 =$ ☐
5. $1 \times 4 =$ ☐
6. $6 \times 4 =$ ☐
7. $8 \times 4 =$ ☐
8. $10 \times 4 =$ ☐
9. $4 \times 4 =$ ☐
10. $12 \times 4 =$ ☐
11. $2 \times 4 =$ ☐
12. $9 \times 4 =$ ☐

13. $40 \div 4 =$ ☐
14. $8 \div 4 =$ ☐
15. $32 \div 4 =$ ☐
16. $20 \div 4 =$ ☐
17. $16 \div 4 =$ ☐
18. $28 \div 4 =$ ☐
19. $4 \div 4 =$ ☐
20. $48 \div 4 =$ ☐
21. $36 \div 4 =$ ☐
22. $12 \div 4 =$ ☐
23. $44 \div 4 =$ ☐
24. $24 \div 4 =$ ☐

25. ☐ $\div 4 = 4$
26. ☐ $\div 4 = 9$
27. ☐ $\div 4 = 3$
28. ☐ $\div 4 = 11$
29. ☐ $\div 4 = 2$
30. ☐ $\div 4 = 10$
31. ☐ $\div 4 = 6$
32. ☐ $\div 4 = 8$
33. ☐ $\div 4 = 5$
34. ☐ $\div 4 = 1$
35. ☐ $\div 4 = 12$
36. ☐ $\div 4 = 7$

37. ☐ $\times 4 = 28$
38. ☐ $\times 4 = 4$
39. ☐ $\times 4 = 24$
40. ☐ $\times 4 = 48$
41. ☐ $\times 4 = 40$
42. ☐ $\times 4 = 12$
43. ☐ $\times 4 = 20$
44. ☐ $\times 4 = 36$
45. ☐ $\times 4 = 8$
46. ☐ $\times 4 = 32$
37. ☐ $\times 4 = 16$
48. ☐ $\times 4 = 44$

Name .....

Sheet 19 MULTIPLICATION FACTS FOR 8

Write the missing number in the box.

1. $4 \times 8 =$ ☐
2. $10 \times 8 =$ ☐
3. $1 \times 8 =$ ☐
4. $8 \times 8 =$ ☐
5. $11 \times 8 =$ ☐
6. $2 \times 8 =$ ☐
7. $9 \times 8 =$ ☐
8. $6 \times 8 =$ ☐
9. $3 \times 8 =$ ☐
10. $5 \times 8 =$ ☐
11. $12 \times 8 =$ ☐
12. $7 \times 8 =$ ☐

13. $48 \div 8 =$ ☐
14. $88 \div 8 =$ ☐
15. $24 \div 8 =$ ☐
16. $72 \div 8 =$ ☐
17. $8 \div 8 =$ ☐
18. $56 \div 8 =$ ☐
19. $40 \div 8 =$ ☐
20. $96 \div 8 =$ ☐
21. $32 \div 8 =$ ☐
22. $80 \div 8 =$ ☐
23. $16 \div 8 =$ ☐
24. $64 \div 8 =$ ☐

25. ☐ $\times 8 = 40$
26. ☐ $\times 8 = 8$
27. ☐ $\times 8 = 80$
28. ☐ $\times 8 = 64$
29. ☐ $\times 8 = 16$
30. ☐ $\times 8 = 56$
31. ☐ $\times 8 = 32$
32. ☐ $\times 8 = 88$
33. ☐ $\times 8 = 72$
34. ☐ $\times 8 = 48$
35. ☐ $\times 8 = 24$
36. ☐ $\times 8 = 96$

37. ☐ $\div 8 = 7$
38. ☐ $\div 8 = 11$
39. ☐ $\div 8 = 6$
40. ☐ $\div 8 = 2$
41. ☐ $\div 8 = 12$
42. ☐ $\div 8 = 3$
43. ☐ $\div 8 = 5$
44. ☐ $\div 8 = 8$
45. ☐ $\div 8 = 10$
46. ☐ $\div 8 = 1$
37. ☐ $\div 8 = 9$
48. ☐ $\div 8 = 4$

Name .....

Sheet 20 MULTIPLICATION FACTS REVIEW 20

Write the missing number in the box.

1. $2 \times 2 = \square$
2. $8 \times 2 = \square$
3. $11 \times 2 = \square$
4. $\square \times 2 = 12$
5. $\square \times 2 = 10$
6. $\square \times 2 = 18$
7. $\square \div 2 = 4$
8. $\square \div 2 = 12$
9. $\square \div 2 = 7$
10. $6 \times 5 = \square$
11. $3 \times 5 = \square$
12. $12 \times 5 = \square$
13. $\square \times 5 = 5$
14. $\square \times 5 = 45$
15. $\square \times 5 = 35$
16. $\square \div 5 = 11$
17. $\square \div 5 = 10$
18. $\square \div 5 = 8$
19. $10 \times 10 = \square$
20. $7 \times 10 = \square$
21. $9 \times 10 = \square$
22. $\square \times 10 = 40$
23. $\square \times 10 = 120$
24. $\square \times 10 = 80$
25. $\square \div 10 = 2$
26. $\square \div 10 = 6$
27. $\square \div 10 = 11$
28. $5 \times 3 = \square$
29. $11 \times 3 = \square$
30. $8 \times 3 = \square$
31. $\square \times 3 = 18$
32. $\square \times 3 = 9$
33. $\square \times 3 = 27$
34. $\square \div 3 = 1$
35. $\square \div 3 = 12$
36. $\square \div 3 = 7$
37. $6 \times 4 = \square$
38. $1 \times 4 = \square$
39. $12 \times 4 = \square$
40. $\square \times 4 = 8$
41. $\square \times 4 = 44$
42. $\square \times 4 = 28$
43. $\square \div 4 = 5$
44. $\square \div 4 = 8$
45. $\square \div 4 = 9$
46. $4 \times 8 = \square$
47. $9 \times 8 = \square$
48. $7 \times 8 = \square$
49. $\square \times 8 = 80$
50. $\square \times 8 = 64$
51. $\square \times 8 = 96$
52. $\square \div 8 = 3$
53. $\square \div 8 = 11$
54. $\square \div 8 = 6$

Sheet 21 MULTIPLYING BY MULTIPLES OF 10 (1) 21

Fill in the boxes.

1. $6 \times 2 =$ ☐
   $6 \times 20 =$ ☐
2. $4 \times 5 =$ ☐
   $4 \times 50 =$ ☐
3. $11 \times 4 =$ ☐
   $110 \times 4 =$ ☐
4. $7 \times 3 =$ ☐
   $70 \times 3 =$ ☐
5. $7 \times 5 =$ ☐
   $7 \times 50 =$ ☐
6. $12 \times 3 =$ ☐
   $12 \times 30 =$ ☐
7. $3 \times 2 =$ ☐
   $30 \times 2 =$ ☐
8. $8 \times 4 =$ ☐
   $80 \times 4 =$ ☐
9. $5 \times 3 =$ ☐
   $5 \times 30 =$ ☐
10. $6 \times 4 =$ ☐
    $6 \times 40 =$ ☐
11. $9 \times 5 =$ ☐
    $90 \times 5 =$ ☐
12. $11 \times 2 =$ ☐
    $110 \times 2 =$ ☐

Write the answer only.

13. 2×40 .....
14. 9×20 .....
15. 80×3 .....
16. 120×5 .....
17. 9×30 .....
18. 12×40 .....
19. 50×5 .....
20. 70×2 .....
21. 6×50 .....
22. 12×20 .....
23. 40×3 .....
24. 50×4 .....

Fill in the boxes.

25. Six 20 g weights
    Total weight is ☐
26. 40 cans in each box
    ☐ cans in 5 boxes
27. 30 children in each class
    ☐ children in 8 classes
28. 120 ml in each glass
    ☐ ml in 6 glasses
29. Nine 50p coins
    £ ☐ altogether
30. 4 potatoes in one bag
    ☐ potatoes in 70 bags

Name .....

Sheet 22 MULTIPLYING BY MULTIPLES OF 10 (2) 22

Examples	$7 \times 3 = 21$	$5 \times 8 = 40$
	$70 \times 3 = 210$	$50 \times 8 = 400$

Work out

1. 5×50 .....
2. 4×80 .....
3. 60×4 .....
4. 50×2 .....
5. 3×30 .....
6. 8×50 .....
7. 20×2 .....
8. 90×8 .....
9. 3×40 .....
10. 11×50 .....
11. 90×3 .....
12. 80×2 .....
13. 4×20 .....
14. 6×80 .....
15. 90×4 .....
16. 110×3 .....
17. 2×50 .....
18. 8×80 .....
19. 90×2 .....
20. 50×4 .....
21. 6×30 .....
22. 3×50 .....
23. 70×4 .....
24. 120×8 .....
25. 12×30 .....
26. 11×20 .....
27. 50×5 .....
28. 70×8 .....
29. 4×40 .....
30. 8×30 .....
31. 60×5 .....
32. 70×2 .....
33. 9×80 .....
34. 2×30 .....
35. 120×4 .....
36. 70×5 .....

Fill in the boxes.

37. One minute is 60 seconds.
    8 minutes is ☐ seconds.

38. Each bucket holds 5 litres.
    30 buckets hold ☐ litres.

39. Laura has nine £20 notes.
    She has £ ☐ .

40. Each box has 12 eggs.
    40 boxes hold ☐ eggs.

41. One ice cream costs 90p.
    3 ice creams cost £ ☐

42. Seven days in one week.
    ☐ days in 20 weeks.

Sheet 23 DIVIDING MULTIPLES OF 10 (1) 23

Examples $240 \div 3 = 10 \times 24 \div 3$
$= 10 \times 8$
$= 80$

$45 \div 5 = 9$
$450 \div 5 = 90$

Fill in the boxes.

1. $25 \div 5 =$ ☐
   $250 \div 5 =$ ☐
2. $14 \div 2 =$ ☐
   $140 \div 2 =$ ☐
3. $24 \div 4 =$ ☐
   $240 \div 4 =$ ☐
4. $9 \div 3 =$ ☐
   $90 \div 3 =$ ☐
5. $24 \div 2 =$ ☐
   $240 \div 2 =$ ☐
6. $40 \div 5 =$ ☐
   $400 \div 5 =$ ☐
7. $18 \div 3 =$ ☐
   $180 \div 3 =$ ☐
8. $36 \div 4 =$ ☐
   $360 \div 4 =$ ☐
9. $33 \div 3 =$ ☐
   $330 \div 3 =$ ☐
10. $16 \div 2 =$ ☐
    $160 \div 2 =$ ☐
11. $16 \div 4 =$ ☐
    $160 \div 4 =$ ☐
12. $30 \div 5 =$ ☐
    $300 \div 5 =$ ☐

Work out

13. $120 \div 2$ .....
14. $100 \div 5$ .....
15. $270 \div 3$ .....
16. $200 \div 4$ .....
17. $350 \div 5$ .....
18. $60 \div 3$ .....
19. $480 \div 4$ .....
20. $80 \div 2$ .....
21. $450 \div 5$ .....
22. $880 \div 8$ .....
23. $240 \div 3$ .....
24. $100 \div 2$ .....

25. 120 cakes
    4 in each box
    ☐ boxes
26. £150 prize
    3 people
    £ ☐ each
27. 160 people
    8 at each table
    ☐ tables
28. 180 litres of water
    2 baths
    ☐ litres each
29. 400 pins
    5 boxes
    ☐ pins in each
30. 280kg of potatoes
    4 sacks
    ☐ kg each

Sheet 24 DIVIDING MULTIPLES OF 10 (2) 24

Examples $240 \div 3 = 10 \times 24 \div 3$
$= 10 \times 8$
$= 80$

$45 \div 5 = 9$
$450 \div 5 = 90$

Work out

1. $80 \div 4$ .....
2. $120 \div 2$ .....
3. $560 \div 8$ .....
4. $150 \div 3$ .....
5. $160 \div 8$ .....
6. $400 \div 5$ .....
7. $80 \div 2$ .....
8. $360 \div 4$ .....
9. $210 \div 3$ .....
10. $960 \div 8$ .....
11. $200 \div 5$ .....
12. $220 \div 2$ .....
13. $90 \div 3$ .....
14. $440 \div 4$ .....
15. $640 \div 8$ .....
16. $350 \div 5$ .....
17. $40 \div 2$ .....
18. $320 \div 4$ .....
19. $360 \div 3$ .....
20. $240 \div 8$ .....
21. $600 \div 5$ .....
22. $120 \div 4$ .....
23. $140 \div 2$ .....
24. $270 \div 3$ .....
25. $300 \div 5$ .....
26. $880 \div 8$ .....
27. $240 \div 3$ .....
28. $100 \div 2$ .....
29. $480 \div 4$ .....
30. $720 \div 8$ .....
31. $250 \div 5$ .....
32. $180 \div 3$ .....
33. $240 \div 2$ .....
34. $480 \div 8$ .....
35. $450 \div 5$ .....
36. $280 \div 4$ .....

Fill in the boxes.

37. 240 rolls
4 in each box
☐ boxes

38. 400 g cake
8 slices
Each slice is ☐ g.

39. 120 children in
3 coaches
☐ children
in each coach.

40. £5 notes only
£550 altogether
£ ☐ notes

41. 60 g cornflakes
2 bowls
☐ g in each bowl

42. 4 chairs cost
£160 altogether. Each
chair costs £ ☐ .

Name .....

Sheet 25 WRITTEN METHOD FOR MULTIPLICATION (1) 25

Examples

$$\begin{array}{r} 29 \\ \times\ 3 \\ \hline 87 \\ \hline {\scriptstyle 2} \end{array} \qquad \begin{array}{r} 53 \\ \times\ 4 \\ \hline 212 \\ \hline {\scriptstyle 1} \end{array}$$

Work out

1. 37×2
2. 65×3
3. 29×4
4. 74×5
5. 59×2
6. 48×3
7. 84×4
8. 37×5
9. 82×2
10. 73×3
11. 65×4
12. 92×5
13. 56×3
14. 78×4
15. 64×2

Show your working. Write the answer in the box.

16. Cindy works 5 days.
She earns £86 each day.

She earns £ ☐ altogether.

17. There are 94 pins
in each packet.

There are ☐ pins in 3 packets.

Name .....

Sheet 26 WRITTEN METHOD FOR MULTIPLICATION (2) 26

Examples

$$\begin{array}{r} 73 \\ \times\ 5 \\ \hline 365 \\ \hline 1 \end{array} \qquad \begin{array}{r} 26 \\ \times\ 8 \\ \hline 208 \\ \hline 4 \end{array}$$

Work out

1. $34 \times 4 =$
2. $75 \times 2 =$
3. $67 \times 3 =$
4. $98 \times 5 =$
5. $64 \times 8 =$
6. $86 \times 4 =$
7. $48 \times 2 =$
8. $54 \times 3 =$
9. $78 \times 8 =$
10. $65 \times 5 =$
11. $97 \times 4 =$
12. $39 \times 3 =$
13. $59 \times 8 =$
14. $47 \times 5 =$
15. $86 \times 3 =$

Show your working. Write the answer in the box.

16. Each cake weighs 93 g.
8 cakes weigh
☐ g altogether.

17. There are 75 children in each Year of a school.
☐ children in all 4 years.

.....
× _____
_____

.....
× _____
_____

Name ....

Sheet 27 WRITTEN METHOD FOR DIVISION 1

Examples

$$\begin{array}{r} 1\;4 \\ 5\overline{)7^{2}0} \end{array} \qquad \begin{array}{r} 2\;6 \\ 3\overline{)7^{1}8} \end{array}$$

Work out

1. $2\overline{)6\;\;8}$
2. $3\overline{)3\;\;9}$
3. $4\overline{)8\;\;0}$
4. $2\overline{)4\;\;6}$
5. $5\overline{)9\;\;5}$
6. $3\overline{)7\;\;2}$
7. $4\overline{)6\;\;0}$
8. $2\overline{)5\;\;2}$
9. $3\overline{)9\;\;6}$
10. $5\overline{)8\;\;0}$
11. $2\overline{)3\;\;8}$
12. $4\overline{)9\;\;2}$
13. $5\overline{)6\;\;5}$
14. $3\overline{)5\;\;1}$
15. $2\overline{)9\;\;0}$
16. $4\overline{)7\;\;2}$
17. $3\overline{)8\;\;4}$
18. $2\overline{)7\;\;4}$

Show your working. Write the answer in the box

19. Four pencils cost 76p altogether.
    One pencil costs [   ] p.

20. 3 equal size classes in Year 4
    81 children [   ] in each class.

Name .....

Sheet 28 WRITTEN METHOD FOR DIVISION 2

28

Examples	$\begin{array}{r} 2\ 3 \\ 4\overline{)9^{1}2} \end{array}$	$\begin{array}{r} 1\ 5 \\ 8\overline{)1\ 2^{4}0} \end{array}$

Work out

1. $2\overline{)8\ 6}$
2. $3\overline{)4\ 8}$
3. $5\overline{)7\ 0}$
4. $4\overline{)5\ 2}$
5. $8\overline{)9\ 6}$
6. $2\overline{)3\ 6}$
7. $3\overline{)7\ 5}$
8. $4\overline{)9\ 6}$
9. $2\overline{)5\ 8}$
10. $5\overline{)8\ 5}$
11. $3\overline{)5\ 4}$
12. $4\overline{)7\ 6}$
13. $8\overline{)1\ 1\ 2}$
14. $2\overline{)7\ 0}$
15. $3\overline{)8\ 7}$
16. $4\overline{)6\ 8}$
17. $5\overline{)1\ 0\ 0}$
18. $2\overline{)9\ 4}$

Show your working. Write the answer in the box.

19. 4 people at each table.
    72 people ☐ tables.

20. 78 children.
    Half are boys ☐ boys.

Sheet 29 WORD PROBLEMS +/− 29

Write the answer in the box.

1. 59 boys
55 girls
☐ children.

2. 217 apples on a tree.
60 picked.
☐ left.

3. Small cans weigh 385 g.
Large cans weigh 200 g more.
Large cans weigh ☐ g.

4. Naomi is 71.
Rhoda is 23.
Naomi is ☐ years older

5. 87 story books.
48 topic books.
☐ books altogether.

6. Dan weighs 50 kg more than Ned.
Ned weighs 29 kg.
Dan weighs ☐ kg.

7. 572 cars going north.
90 fewer going south.
☐ cars going south.

8. 100 cm of string.
45 cm used.
☐ cm left.

9. 314 people on a boat
90 get off.
☐ people left.

10. Lily has 40p more than Leo.
Leo has 35p.
Lily has ☐ p.

11. Ama's book has 124 pages.
Aisha's book has 36 fewer pages.
Aisha's book has ☐ pages.

12. 200 toys in a shop.
130 are sold.
☐ toys left.

13. Todd has read 142 pages.
He reads another 60.
He has read ☐ pages.

14. 81 children in Year 3.
29 in 3W. 26 in 3K.
☐ children in 3F.

15. 94 children on playground.
78 children join them.
☐ children on playground.

16. 153 cars in car park.
85 leave.
☐ cars left.

Sheet 30 WORD PROBLEMS ×/÷ 30

Write the missing number in the box.

1. 4 children at each table.
   ☐ children at 7 tables.

2. 24 sweets. 3 friends.
   ☐ sweets each.

3. Jo has twelve 50p coins.
   She has £ ☐ altogether.

4. Ten tickets cost £100.
   One ticket cost £ ☐ .

5. Each box holds 8 cakes.
   72 cakes ☐ boxes.

6. Pencils cost 20p each.
   Pens cost 3 times as much.
   Pens cost ☐ p each.

7. 4 apples in each pack.
   120 apples ☐ packs.

8. Eleven pairs of socks.
   ☐ socks altogether.

9. ☐ 5p coins.
   30p altogether.

10. Eight rubbers in each box.
    50 boxes. ☐ rubbers.

11. Groups of 3.
    36 counters ☐ groups.

12. 4 people in each tent.
    9 tents ☐ people.

13. 60 seconds in one minute.
    ☐ seconds in two minutes.

14. 480 g cake. 8 equal slices.
    Each slice is ☐ g.

15. 1000 ml of drink. 5 glasses.
    ☐ ml in each glass.

16. 40 cards in each box.
    6 boxes.
    ☐ cards.

17. 4 pens cost 80p altogether.
    Each pen costs ☐ p.

18. 30 children in each class.
    8 classes ☐ children.

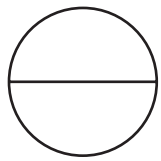
19. Ava is half as old as Abbie.
    Abbie is 70. Ava is ☐ .

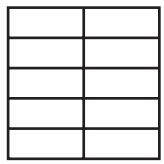
20. 5 chairs in each pile.
    9 piles. ☐ chairs.

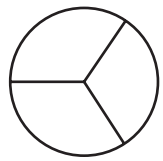
Sheet 31 RECOGNISING FRACTIONS 31

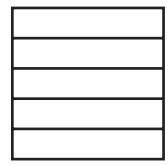
Colour in one part of the shape.
Write the fraction shown.

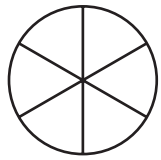
Colour in two parts of the shape.
Write the fraction shown.

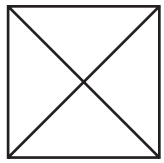
1  ___

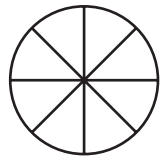
3  ___

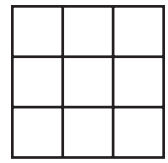
5  ___

7  ___

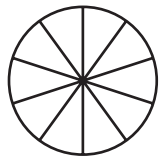
2  ___

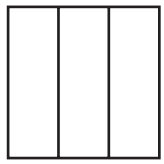
4  ___

6  ___

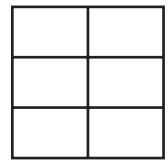
8  ___

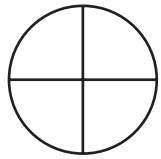
Colour in the fraction shown.

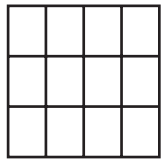
9  $\frac{9}{10}$

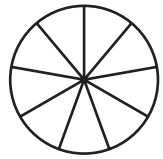
11  $\frac{1}{3}$

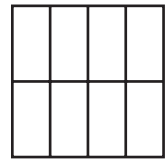
13  $\frac{4}{5}$

15  $\frac{5}{6}$

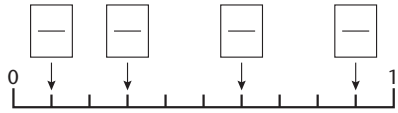
10  $\frac{3}{4}$

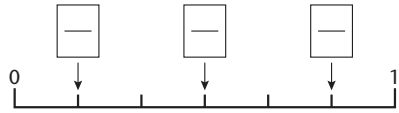
12  $\frac{5}{12}$

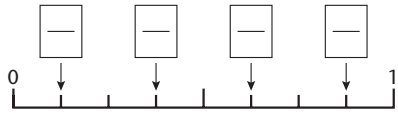
14  $\frac{7}{9}$

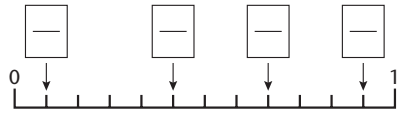
16  $\frac{3}{8}$

Write the fraction shown in each box.

17 

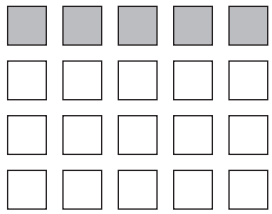
19 

18 

20 

Sheet 32 FRACTIONS OF A SET 32

Examples



$\frac{1}{4}$ of 20 = 20 ÷ 4
= 5

$\frac{3}{4}$ of 20 = (20 ÷ 4) × 3
= 15

Find $\frac{1}{2}$ of:

1. 14 .....
2. 8 .....
3. 18 .....
4. 24 .....

Find $\frac{1}{3}$ of:

5. 18 .....
6. 33 .....
7. 24 .....
8. 30 .....

Find $\frac{1}{10}$ of:

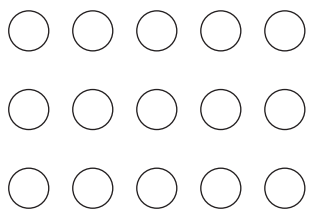
9. 90 .....
10. 30 .....
11. 50 .....
12. 100 .....

Find

13. $\frac{1}{2}$ of 12 .....
14. $\frac{1}{4}$ of 28 .....
15. $\frac{1}{5}$ of 45 .....
16. $\frac{1}{10}$ of 120 .....
17. $\frac{1}{3}$ of 27 .....
18. $\frac{1}{8}$ of 40 .....
19. $\frac{1}{2}$ of 22 .....
20. $\frac{1}{4}$ of 36 .....
21. $\frac{1}{5}$ of 30 .....
22. $\frac{1}{10}$ of 80 .....
23. $\frac{1}{3}$ of 36 .....
24. $\frac{1}{8}$ of 64 .....

Look at the circles. Find

25. $\frac{1}{3}$ of 15 .....
26. $\frac{2}{3}$ of 15 .....



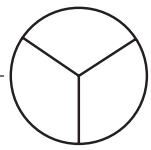
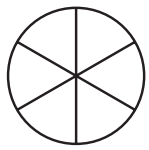
27. $\frac{1}{5}$ of 15 .....
28. $\frac{2}{5}$ of 15 .....
29. $\frac{4}{5}$ of 15 .....

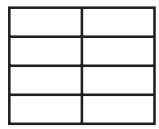
How much is:

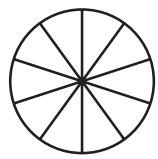
30. one tenth of £60 .....
31. one half of £60 .....
32. one fifth of £60? .....
33. one half of 800 g .....
34. one quarter of 800 g .....
35. one eighth of 800 g? .....

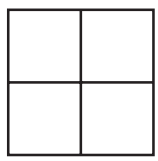
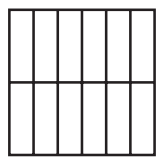
Sheet 33 EQUIVALENT FRACTIONS 33

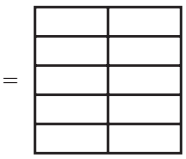
Shade in each pair of fractions to show that they are equivalent fractions.
Fill in the boxes.

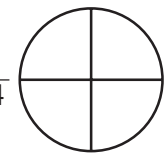
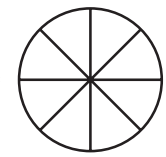
1 $\frac{2}{3}$  =  $\frac{4}{6}$

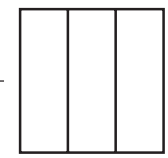
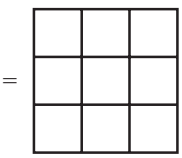
2 $\frac{1}{2}$  =  $\frac{\square}{8}$

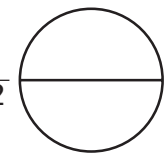
3 $\frac{4}{5}$  =  $\frac{\square}{10}$

4 $\frac{3}{4}$  =  $\frac{\square}{12}$

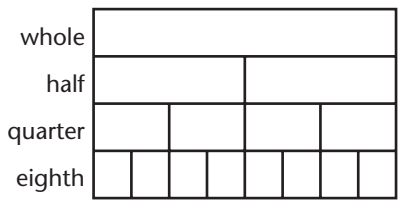
5 $\frac{3}{5}$  =  $\frac{\square}{10}$

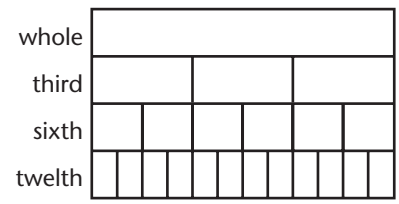
6 $\frac{1}{4}$  =  $\frac{\square}{8}$

7 $\frac{2}{3}$  =  $\frac{\square}{9}$

8 $\frac{1}{2}$  =  $\frac{\square}{6}$

Use the fraction charts to complete these equivalent fractions.



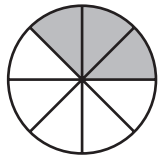


9 $\frac{1}{2} = \frac{\square}{4}$ **11** $\frac{3}{4} = \frac{\square}{8}$ **13** $\frac{1}{4} = \frac{\square}{8}$ **15** $1 = \frac{\square}{8}$

10 $\frac{1}{6} = \frac{\square}{12}$ **12** $\frac{2}{3} = \frac{\square}{6}$ **14** $\frac{5}{6} = \frac{\square}{12}$ **16** $\frac{1}{3} = \frac{\square}{12}$

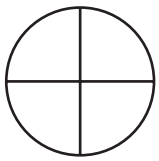
Sheet 34 ADDING AND SUBTRACTING FRACTIONS 34

Examples



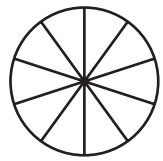
$1 = \frac{3}{8} + \frac{5}{8} = \frac{8}{8}$ $\frac{3}{10} + \frac{2}{10} = \frac{5}{10}$ $\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$

Fill in the box.
Use two colours to show each pair of fractions.

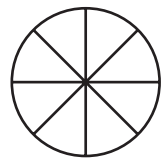
1  $1 = \frac{3}{4} + \frac{\square}{4}$

2  $1 = \frac{\square}{6} + \frac{3}{6}$

3  $1 = \frac{1}{3} + \frac{\square}{3}$

4  $1 = \frac{4}{10} + \frac{\square}{10}$

5  $1 = \frac{\square}{5} + \frac{3}{5}$

6  $1 = \frac{7}{8} + \frac{\square}{8}$

Fill in the box.

7 $\frac{1}{3} + \frac{1}{3} = \frac{\square}{3}$

8 $\frac{3}{8} + \frac{4}{8} = \frac{\square}{8}$

9 $\frac{3}{4} - \frac{1}{4} = \frac{\square}{4}$

10 $\frac{9}{10} - \frac{3}{10} = \frac{\square}{10}$

11 $\frac{1}{5} + \frac{2}{5} = \frac{\square}{5}$

12 $\frac{5}{12} + \frac{2}{12} = \frac{\square}{12}$

13 $\frac{7}{9} - \frac{4}{9} = \frac{\square}{9}$

14 $\frac{6}{7} - \frac{5}{7} = \frac{\square}{7}$

15 $\frac{4}{6} + \frac{\square}{6} = \frac{5}{6}$

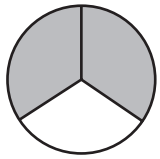
16 $\frac{3}{10} = \frac{\square}{10} = \frac{8}{10}$

17 $\frac{4}{5} - \frac{\square}{5} = \frac{2}{5}$

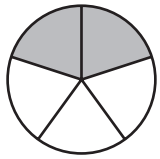
18 $\frac{5}{8} - \frac{\square}{8} = \frac{1}{8}$

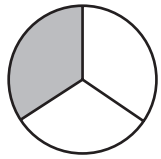
Sheet 35 COMPARING FRACTIONS 35

Examples

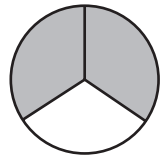


$\frac{2}{3}$ is larger than $\frac{2}{5}$





$\frac{1}{3}$ is smaller than $\frac{2}{3}$



Draw a circle round the larger of each pair of fractions.

1. $\frac{2}{6}$ $\frac{1}{6}$
2. $\frac{1}{3}$ $\frac{1}{2}$
3. $\frac{5}{12}$ $\frac{7}{12}$
4. $\frac{3}{7}$ $\frac{3}{10}$
5. $\frac{4}{8}$ $\frac{5}{8}$
6. $\frac{4}{5}$ $\frac{4}{9}$
7. $\frac{4}{7}$ $\frac{3}{7}$
8. $\frac{2}{5}$ $\frac{2}{3}$
9. $\frac{1}{10}$ $\frac{9}{10}$

Write in order, smallest first.

10. $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{10}$ ___ ___ ___
11. $\frac{3}{5}$ $\frac{1}{5}$ $\frac{4}{5}$ ___ ___ ___
12. $\frac{5}{12}$ $\frac{5}{6}$ $\frac{5}{8}$ ___ ___ ___
13. $\frac{4}{12}$ $\frac{11}{12}$ $\frac{1}{12}$ ___ ___ ___
14. $\frac{2}{3}$ $\frac{2}{8}$ $\frac{2}{7}$ ___ ___ ___
15. $\frac{7}{9}$ $\frac{6}{9}$ $\frac{8}{9}$ ___ ___ ___

Make two fractions smaller than the given fraction.

16. $\frac{3}{4}$ $\frac{3}{\square}$ $\frac{\square}{4}$
17. $\frac{5}{7}$ $\frac{\square}{7}$ $\frac{5}{\square}$
18. $\frac{7}{10}$ $\frac{7}{\square}$ $\frac{\square}{10}$
19. $\frac{2}{3}$ $\frac{\square}{3}$ $\frac{2}{\square}$
20. $\frac{4}{9}$ $\frac{4}{\square}$ $\frac{\square}{9}$
21. $\frac{3}{6}$ $\frac{\square}{6}$ $\frac{3}{\square}$

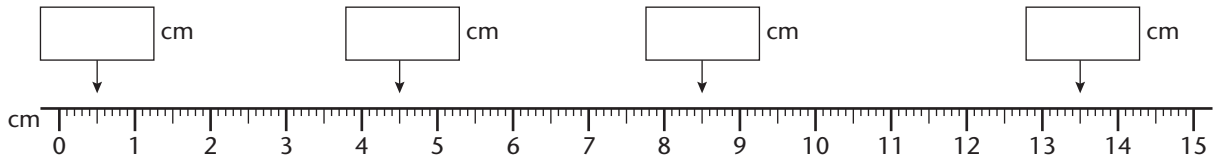
Make two fractions larger than the given fraction.

22. $\frac{2}{5}$ $\frac{\square}{5}$ $\frac{2}{\square}$
23. $\frac{3}{8}$ $\frac{3}{\square}$ $\frac{\square}{8}$
24. $\frac{1}{7}$ $\frac{1}{\square}$ $\frac{\square}{7}$
25. $\frac{5}{9}$ $\frac{\square}{9}$ $\frac{5}{\square}$
26. $\frac{4}{10}$ $\frac{\square}{10}$ $\frac{4}{\square}$
27. $\frac{6}{12}$ $\frac{6}{\square}$ $\frac{\square}{12}$

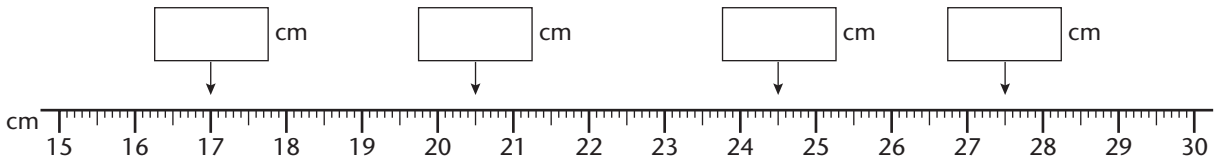
Sheet 36 MEASURING LENGTH 36

Read the measurements shown on each ruler.

1



2



Measure these lines to the nearest half centimetre.

3 _____ ☐ cm

4 _____ ☐ cm

5 _____ ☐ cm

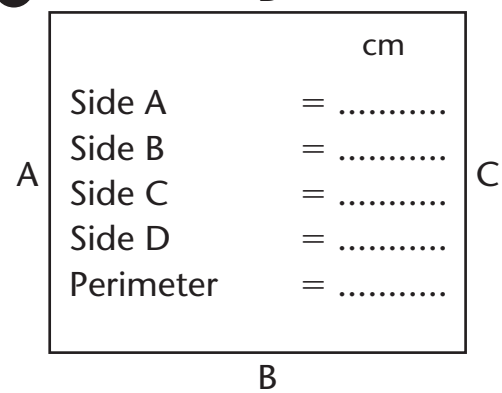
6 _____ ☐ cm

7 _____ ☐ cm

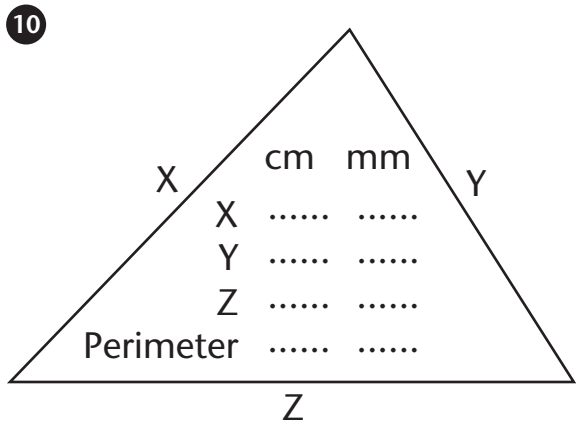
8 _____ ☐ cm

Measure the sides of each shape. Work out the perimeters.

9



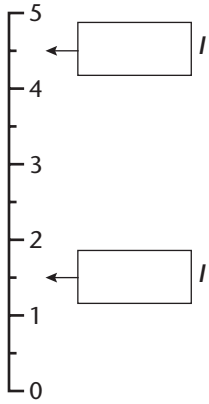
10



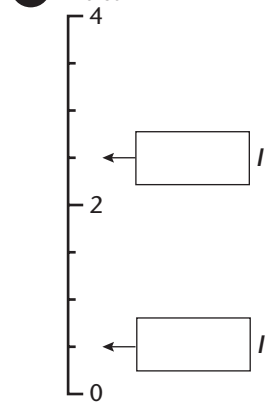
Sheet 37 MEASURING WEIGHT AND CAPACITY 37

Write each measurement in the box.

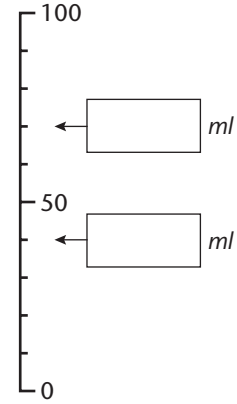
1



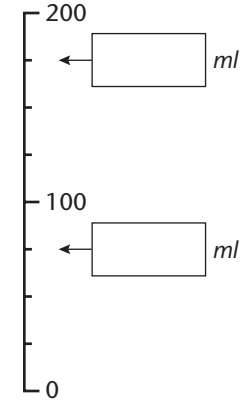
2



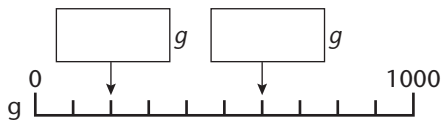
3



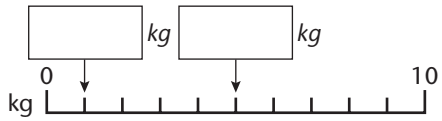
4



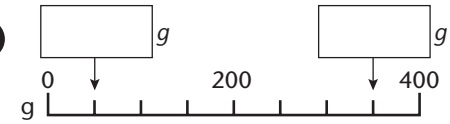
5



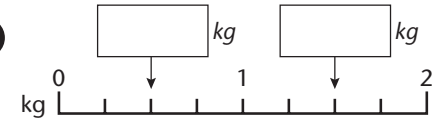
6



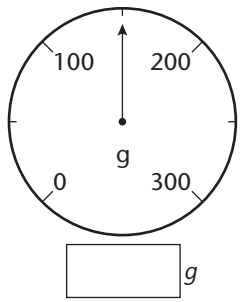
7



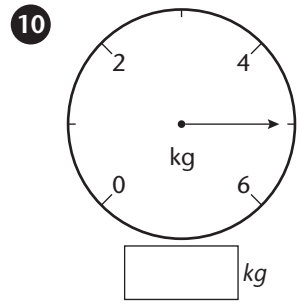
8



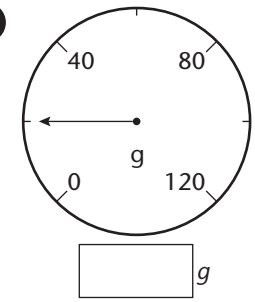
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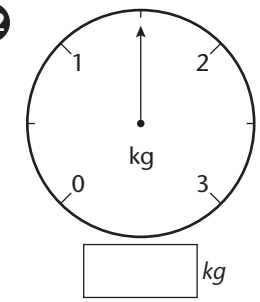
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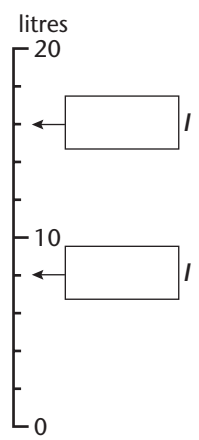
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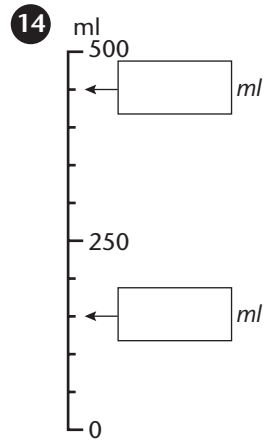
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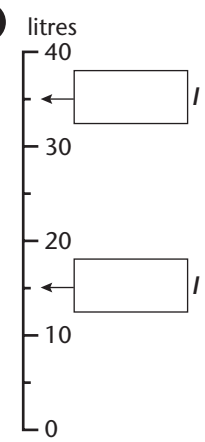
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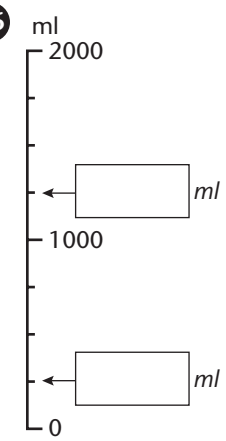
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16



Sheet 38 METRIC UNITS 38

Examples

40 mm = 4 cm	1000 g = 1 kg	1000 ml = 1 litre (ℓ)
130 cm = 1 m 30 cm	3200 g = 3 kg 200 g	4700 ml = 4 ℓ 700 ml
2500 mm = 2 km 500 m	600 g = 0 kg 600 g	8500 ml = 8 ℓ 500 ml

Count on

1. 500 cm = ☐ m
2. 2000 g = ☐ kg
3. 100 mm = ☐ cm
4. 4000 ml = ☐ litres
5. 1 km = ☐ m
6. 5 kg = ☐ g
7. 8 m = ☐ cm
8. 2 litres = ☐ ml
9. 60 mm = ☐ cm
10. 1000 ml = ☐ litre
11. 4000 m = ☐ km
12. 9000 g = ☐ kg
13. 2 m = ☐ cm
14. 7 litres = ☐ ml
15. 5 cm = ☐ mm
16. 3 kg = ☐ g
17. 3 *l* 500 ml = ☐ ml
18. 0 km 300 m = ☐ m
19. 4 kg 600 g = ☐ g
20. 1 m 90 cm = ☐ cm
21. 6900 ml = ☐ ℓ ☐ ml
22. 37 mm = ☐ cm ☐ mm
23. 1200 g = ☐ kg ☐ g
24. 5400 m = ☐ km ☐ m
25. 7 m 90 cm = ☐ cm
26. 0 kg 700 g = ☐ g
27. 8 cm 2 mm = ☐ mm
28. 1 *l* 300 ml = ☐ ml
29. 2800 m = ☐ km ☐ m
30. 8500 g = ☐ kg ☐ g
31. 450 cm = ☐ m ☐ cm
32. 100 ml = ☐ ℓ ☐ ml

Sheet 39 MENTAL +/− OF MEASURES 39

Work out

1. 356 m + 5 m .....m
2. 817 g + 7 g .....g
3. £468 + £9 £.....
4. 237 km + 4 km .....km
5. 783 ml + 8 ml .....ml
6. £948 + £6 £.....
7. 238 m + 90 m .....m
8. 542 kg + 60 kg .....kg
9. £195 + £30 £.....
10. 783 km + 50 km .....km
11. 696 ml + 70 ml .....ml
12. £361 + £80 £.....
13. 524 m + 400 m .....m
14. 57 g + 800 g .....g
15. £579 + £200 £.....
16. 142 km + 400 km .....km
17. 410 ml + 200 ml .....ml
18. £688 + £300 £.....
19. £274 − £6 £.....
20. 153 km − 9 km .....km
21. 936 kg − 8 kg .....kg
22. £342 − £7 £.....
23. 781 m − 5 m .....m
24. 423 ml − 4 ml .....ml
25. £569 − £70 £.....
26. 827 km − 50 km .....km
27. 615 g − 60 g .....g
28. £424 − £80 £.....
29. 208 m − 40 m .....m
30. 772 ml − 90 ml .....ml
31. £941 − £400 £.....
32. 536 km − 300 km .....km
33. 803 kg − 200 kg .....kg
34. £795 − £300 £.....
35. 649 m − 400 m .....m
36. 964 ml − 800 ml .....ml

Sheet 40 READING THE TIME 40

For each of the times:

a) draw the hands on the clock face

b) write the time in figures, using am and pm.

1. 10 to 8, breakfast

2. quarter past 3, hometime

3. 25 past 11, night

4. 20 to 6, sunrise

5. 3 minutes to 7, evening

6. 8 minutes past 10, morning

7. quarter to 9, bedtime

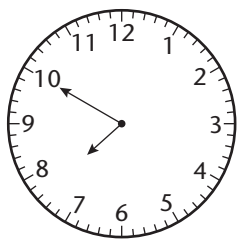
8. 22 minutes past 12, lunchtime

9. 24 minutes to 3, night

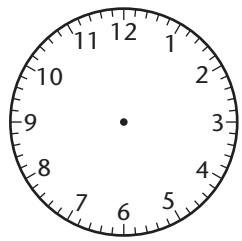
10. 14 minutes past 7, morning

11. 1 minute to 11, night

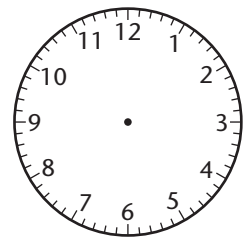
12. 3 minutes past 4, afternoon

1 

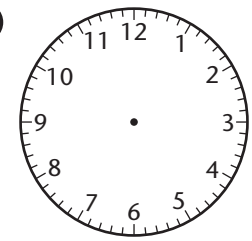
7 : 50 am

4 

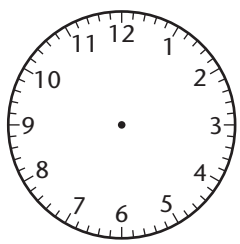
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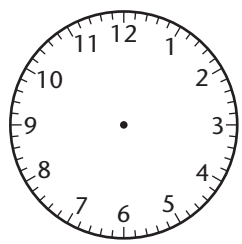
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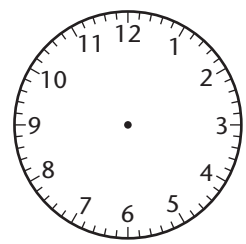
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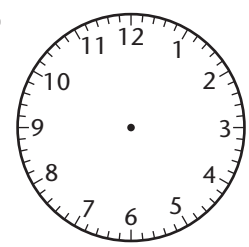
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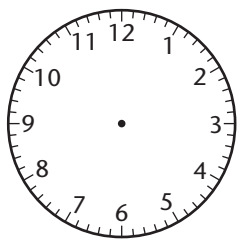
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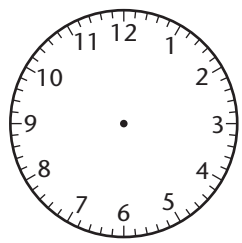
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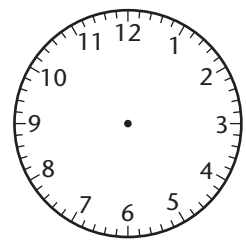
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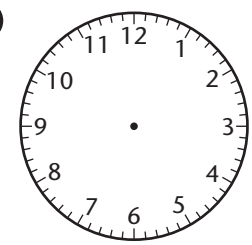
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12 

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Sheet 41 TIME PROBLEMS 41

1. How many minutes are there in one hour? .....

2. How many hours are there in one day? .....

How many minutes are left in the hour if the time is:

3. 3:35 .....
4. 7:20 .....
5. 9:50 .....
6. 6:05 .....
7. 4:42 .....
8. 10:16 .....
9. 2:53 .....
10. 5:29 .....
11. 11:37 .....
12. 8:01 .....
13. 1:48 .....
14. 12:14 .....

How many hours are left in the day if the time is:

15. 7 pm .....
16. 8 am .....
17. 3 pm .....
18. 4 am .....
19. 11 am .....
20. 9 pm .....
21. 1 pm .....
22. 6 am .....
23. 6 pm .....
24. 1 am .....
25. 10 pm .....
26. 9 am .....

27. A lesson starts at 9:20.
It ends at 10:15.
It lasts ☐ minutes.

28. A cake is put in the oven at 2:40.
It needs 30 minutes to bake.
It should be taken out at ☐.

29. Vince leaves a shop at 2:25.
He has been there for 25 minutes.
He went into the shop at ☐.

30. Nina gets on a train at 11:30.
She gets off at 12:07.
Her journey has taken ☐ minutes.

31. A film finishes at 7:30.
It lasts 90 minutes.
It started at ☐.

32. Perry leaves home at 5:25.
He is out for 50 minutes.
He returns at ☐.

Y3 **Name** .....

Sheet 42 MONEY 42

Change to pence.

1. £2·17 217p
2. £5·25 .....
3. £0·60 .....
4. £7·32 .....
5. £4·84 .....
6. £1·03 .....
7. £8·49 .....
8. £0·96 .....

Change to pounds and pence.

9. 351p £3·51
10. 8p .....
11. 913p .....
12. 670p .....
13. 129p .....
14. 465p .....
15. 702p .....
16. 94p .....

Write the missing number in the box.

17. £1 = ☐ × 10p
18. £1 = ☐ × 20p
19. £1 = ☐ × 5p
20. £1 = ☐ × 2p
21. £2 = ☐ × 50p
22. £2 = ☐ × 10p
23. £2 = ☐ × 20p
24. £2 = ☐ × 1p
25. £10 = ☐ × 1p
26. £10 = ☐ × 10p
27. £10 = ☐ × 20p
28. £10 = ☐ × 50p

Find the cost of these items.

29. 4 apples at 10p each ☐ p
30. 2 pears at 20p each ☐ p
31. 5 oranges at 30p each £ ☐
32. 2 melons at 85p each £ ☐

Find the cost of each pair of items and the change from £2.

33.

ice cream	80p
lolly	90p
cost	..... p
change	..... p

34.

card	£1·29
stamp	£0·45
cost	£ .....
change	£ .....

Find the cost of each pair of items and the change from £10.

35.

fish	£3·50
chips	£1·50
cost	£ .....
change	£ .....

36.

paint	£5·80
brush	£1·79
cost	£ .....
change	£ .....

Sheet 43 FINDING CHANGE 43

What needs to be added to each number to make 100?

1	20	80	9	49	.....	17	36	.....
2	70	.....	10	93	.....	18	79	.....
3	40	.....	11	66	.....	19	43	.....
4	10	.....	12	12	.....	20	15	.....
5	35	.....	13	27	.....	21	62	.....
6	85	.....	14	51	.....	22	24	.....
7	55	.....	15	8	.....	23	87	.....
8	5	.....	16	84	.....	24	91	.....

25 Find the cost of these items and the change.

	Cost	Payment	Change
2 sweets at 37p each	74p	£1	.....
10 drinks at 55p each	£5·50	£10	.....
3 toys at £1·50 each	.....	£5	.....
4 books at £2·50 each	.....	£10	.....
2 pens at 99p each	.....	£2	.....
3 games at 80p each	.....	£5	.....

26 Use the above prices. Find the cost and the change.

a sweet, a drink	92p	£1	.....
a pen, a book	.....	£5	.....
a toy, a game	.....	£10	.....
a book, a sweet	.....	£5	.....
a game, a pen	.....	£2	.....
a drink, a toy	.....	£5	.....

Sheet 44 MEASURES PROBLEMS 1 44

Write the missing numbers.

1. Ali cycles 79 miles on Saturday and 48 miles on Sunday.

   He cycles ☐ miles altogether.

2. Each packet of nuts weighs 60 g.
   The total weight of five packets is

   ☐ g.

3. A bottle of lemonade holds 1 litre.
   500 ml is used.

   ☐ ml is left.

4. The total length of three identical ropes is 210 m

   Each rope is ☐ m long

5. A baker uses 800 g of white flour and 500 g of brown flour

   She uses ☐ g of flour altogether

6. A watering can holds 6 litres of water
   It is filled 8 times

   ☐ litres of water has been used

7. A ribbon is one metre long.
   55 cm is cut off.

   ☐ cm is left.

8. Four identical lollies have a total weight of 360 g.

   Each lolly weighs ☐ g.

9. A small bottle of juice holds 450 ml.
   A large bottle holds 300 ml more.

   A large bottle holds ☐ ml

10. One box is 60 cm wide
    Two boxes have a total width of

    ☐ m ☐ cm

11. A packet of cheese weighs 325 g
    80 g is used

    ☐ g is left

12. Two litres of drink is shared equally between 10 glasses

    Each glass holds ☐ ml

Sheet 45 MEASURES PROBLEMS 2 45

Write the missing numbers.

1. Grandad weighs 84 kg
Grandma weighs 29 kg less

Grandma weighs ☐ kg

2. A swimming pool is 12 m wide
It is three times as long

The pool is ☐ m long

3. A bottle of medicine holds 100 ml
Four 20 ml doses are taken

☐ ml is left

4. A cake weighs 320 g
It is cut into 8 equal slices

Each slice weighs ☐ g

5. A field is 70 m longer than it is wide
It is 273 m wide

It is ☐ m long

6. A tube of toothpaste holds 75 ml

Ten tubes hold ☐ ml altogether

7. A bag of potatoes weighs 2 kg
700 g is used

☐ kg ☐ g is left

8. A tape is one metre long
It is cut into 5 equal lengths

Each length is ☐ cm long

9. Dad's bath uses 68 litres of water
Mum's shower uses 35 litres

☐ litres of water is used altogether.

10. Each bag of cement weighs 30 kg
The total weight of four bags is

☐ kg

11. Lisa's journey is 162 miles long.
She drives 97 miles

She has ☐ miles left to drive

12. A large bottle of drink holds 700ml
A small bottle holds half as much

A small bottle holds ☐ ml

Sheet 46 MEASURES PROBLEMS (×/÷) 46

Write the answer in the box.

1. A T-shirt costs £9.
   How much will two T-shirts cost? £ ☐

2. Eight packets of crisps weigh 240 g altogether.
   What does one packet weigh? ☐ g

3. Three 12 cm lengths are cut from a piece of string.
   How much string has been cut off altogether? ☐ cm

4. A 600 ml tub of ice cream provides 10 equal servings.
   How much ice cream is in each serving? ☐ ml

5. A new road will be 450 km long. One fifth has been built
   How long is the road which has been built? ☐ km

6. A pie is cut into four equal slices Each slice is 70 g.
   What is the weight of the pie? ☐ g

7. A full saucepan holds 1200 ml of water. It is one third full.
   How much water is in the saucepan? ☐ ml

8. A running tap uses 8 litres of water every minute.
   How much water is used if the tap is left running for 5 minutes? ☐ litres

9. Each book in a pile is 30 mm thick. There are ten books in the pile.
   How tall is the pile in centimetres? ☐ cm

10. Four plane tickets cost £480 altogether.
    What does each ticket cost? £ ☐

11. Cans of dog food cost 60p each.
    What do eight cans cost altogether? £ ☐

12. Two sacks of potatoes have a total weight of 120 kg.
    How much does one sack weight? ☐ kg

Sheet 47 DRAWING 2-D SHAPES 47

Use a set square to draw each shape.

1. a square sides 3·3 cm

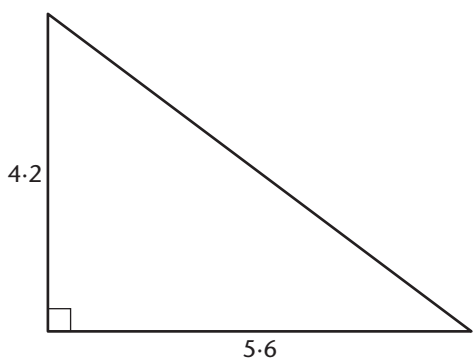
2. a rectangle sides 2·9 cm, 5·3 cm

3. a square perimeter 18 cm

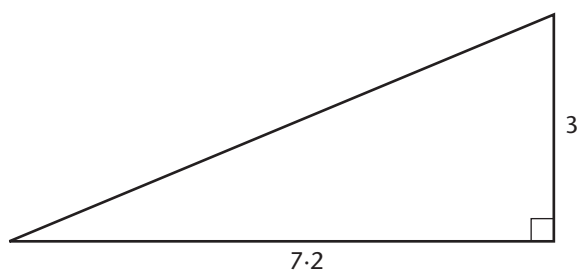
4. a rectangle perimeter 20 cm
longest side 6·5 cm

All lengths are in centimetres. Right angles are marked.
Measure and record the length of the longest side of each triangle.

5.



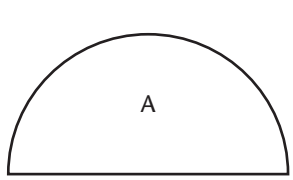
6.



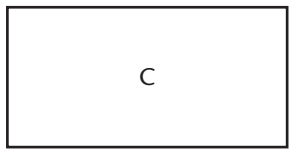
Sheet 48 TWO-DIMENSIONAL SHAPES 48

1 Use these words. Label the shapes.

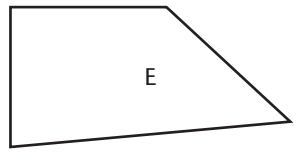
circle
hexagon
octagon
pentagon
quadrilateral
rectangle
semi-circle
square



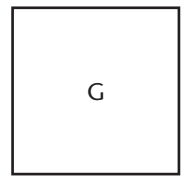
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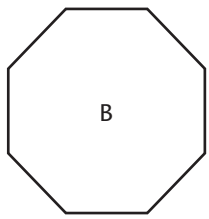
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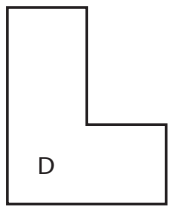
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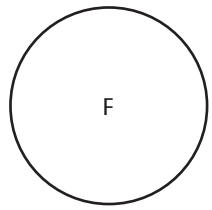
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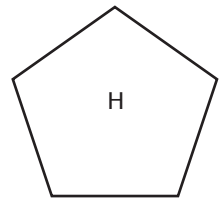
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2 Write the letter of each shape which:

a) is a polygon .....

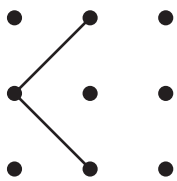
b) is a non-polygon .....

c) is a quadrilateral .....

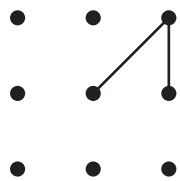
d) has all sides equal. .....

3 Draw a triangle with one angle larger than 90°.

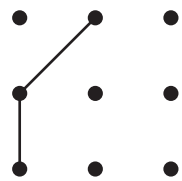
4 Complete the shape in each grid. The shapes must have their corners on dots.



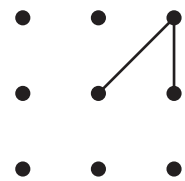
square



hexagon



pentagon



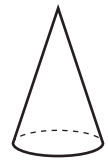
heptagon
(7 sides)

Sheet 49 THREE-DIMENSIONAL SHAPES 49

1 Use these words.
Label the shapes.

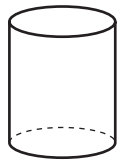
Cone
Cylinder
Hemisphere
Sphere

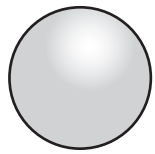




a) .....

c) .....



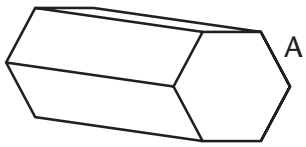


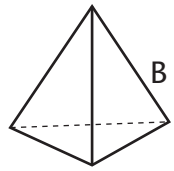
b) .....

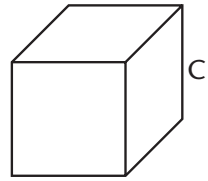
d) .....

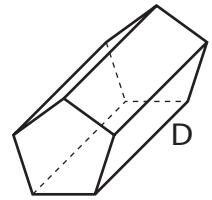
2 Complete the table for each of the polyhedra A–H shown below. Use these words.

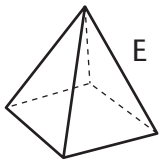
Cube Cuboid Octagonal Prism Square Based Pyramid
Pentagonal Prism Triangular Prism Triangular Based Pyramid

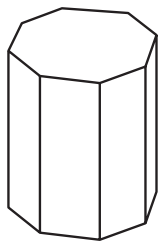


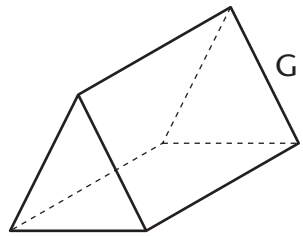


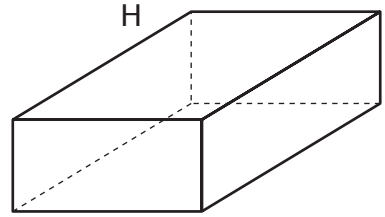










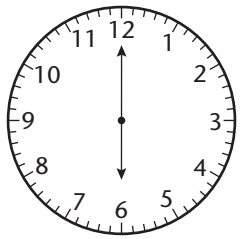


Letter	Shape	Faces	Edges	Vertices
A	hexagonal prism	8		
B				
C				
D				
E				
F				
G				
H				

Sheet 50 ANGLES 50

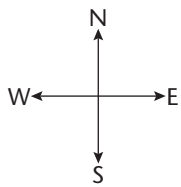
Write down the time if the hour hand turns these angles from:

12 o'clock		4 o'clock	
1 a half turn	6 o'clock	5 a whole turn	.....
2 a right angle	.....	6 a right angle	.....
3 a whole turn	.....	7 a $\frac{3}{4}$ turn	.....
4 a $\frac{3}{4}$ turn	.....	8 a half turn	.....



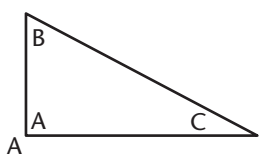
Are these compass movements right angles, half turns or three quarter turns.

Turn clockwise ↻		Turn anti-clockwise ↺	
9 N to S	half turn	13 E to S	.....
10 E to N	.....	14 S to E	.....
11 S to W	.....	15 N to E	.....
12 W to E	.....	16 W to S	.....



Decide if each angle is a right angle or smaller than or larger than a right angle.
Write right angle, smaller or larger on each line.

17

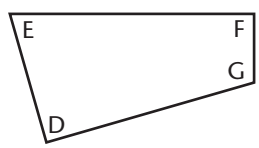


A .....

B .....

C .....

18



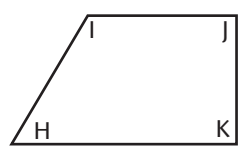
D .....

E .....

F .....

G .....

19



H .....

I .....

J .....

K .....

Sheet 51 PRESENTING DATA – PICTOGRAMS 51

For each pictogram:

a) draw your symbol in the key

b) present the data shown in the table, drawing your symbols in neat rows and columns.

1 This table shows the number of dresses sold in a shop.

Day	Dresses
Monday	30
Tuesday	40
Wednesday	70
Thursday	50
Friday	60
Saturday	80

Key ☐ represents 10 dresses

Mon								
Tues								
Wed								
Thurs								
Fri								
Sat								

2 This table shows the flavour of lollies sold from an ice cream van.

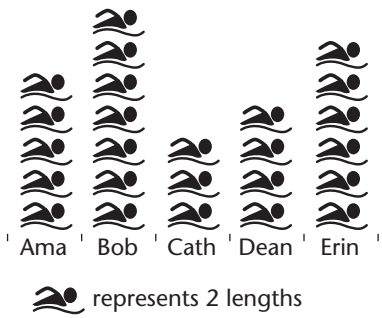
Flavour	Lollies
blackcurrant	4
lemon	6
orange	12
pineapple	16
raspberry	10
strawberry	14

Key ☐ represents 2 lollies

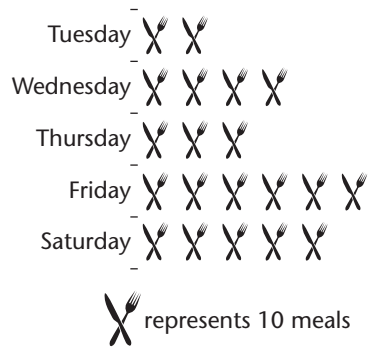
b'currant								
lemon								
orange								
p'apple								
r'berry								
s'berry								

Sheet 52 INTERPRETING PICTOGRAMS 52

This pictogram shows the number of lengths of a pool swum by 5 children.



This pictogram shows the number of meals served in a restaurant.



1 How many lengths were swum by:

a) Ama .....

b) Erin? .....

2 Who swam:

a) 8 lengths .....

b) 14 lengths? .....

3 How many more lengths were swum by Bob than Cath? .....

4 How many fewer lengths were swum by Dean than Erin? .....

5 How many lengths were swum by the 5 children altogether? .....

6 How many meals were served on:

a) Wednesday .....

b) Friday? .....

7 On which day were:

a) 50 meals served .....

b) 20 meals served? .....

8 How many fewer meals were served on Thursday than Friday? .....

9 How many more meals were served on Wednesday than Tuesday? .....

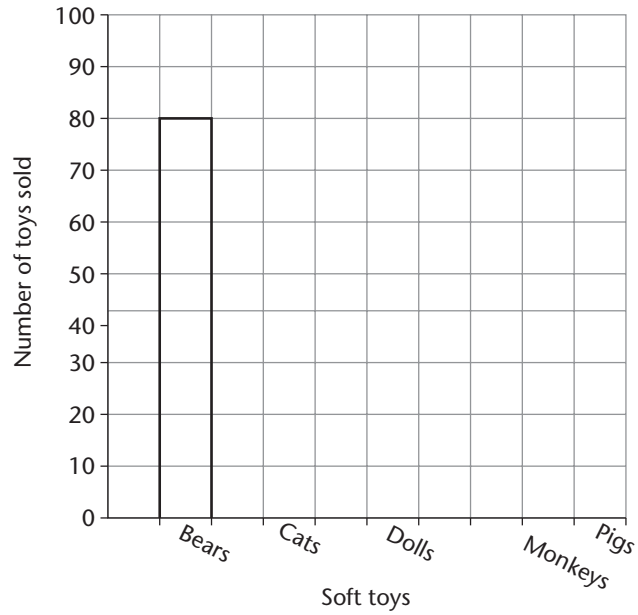
10 How many meals were served in the 5 days altogether? .....

Sheet 53 PRESENTING DATA IN BAR CHARTS 53

1 This table shows the number of soft toys sold in a toy shop.

Soft toys	Number sold
Bears	80
Cats	50
Dolls	90
Monkeys	40
Pigs	70

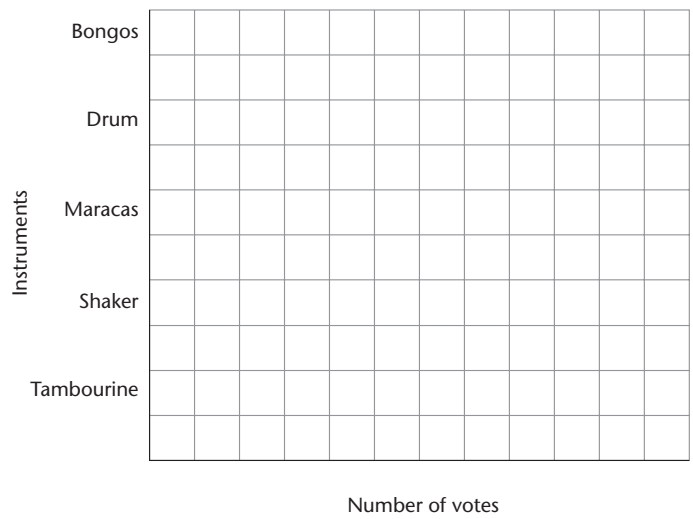
Complete the bar chart to show the data in the table.



2 Each child in Year 3 was asked to choose their favourite percussion instrument. These are the results.

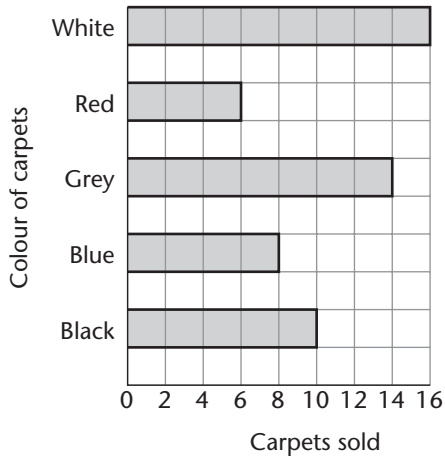
Instruments	Votes
Bongos	20
Drum	12
Maracas	24
Shaker	10
Tambourine	18

Complete the bar chart to show the results. Label the bar chart in 2s.



Sheet 54 INTERPRETING BAR CHARTS 54

This bar chart shows the colour of the carpets sold in a showroom.



1. How many people bought:
   - **a)** a blue carpet .....
   - **b)** a white carpet? .....

2. Which colour carpet was bought by:
   - **a)** 14 people .....
   - **b)** 10 people? .....

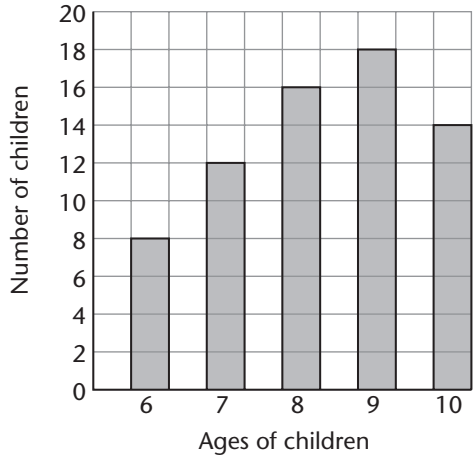
3. How many more black carpets were sold than blue carpets? .....

4. How many fewer red carpets were sold than white carpets? .....

5. How many carpets were sold altogether? .....

6. How many carpets sold were either grey or white? .....

This bar chart shows the ages of children in a junior choir.



7. How many 8 year old children are in the choir? .....

8. How many more 9 year old children are in the choir than 10 year old children? .....

9. How many fewer children are there aged 6 than 7? .....

10. How many children are there:
    - **a)** younger than 8 .....
    - **b)** older than 8? .....

11. How many children are there in the choir altogether? .....

12. Half the choir are either ☐ or ☐ years old.

Name .....

Sheet 55 NUMBER REVIEW 55

Write these numbers in figures.

1. four hundred and fifty .....
2. six hundred and seventy-two .....
3. three hundred and eighty-four .....
4. nine hundred and seven .....

Write the missing number in each box.

5. 147 = 100 + ☐ + 7
6. 783 = ☐ + 80 + 3
7. 529 = ☐ + 20 + ☐
8. 854 = 800 + ☐ + ☐
9. 638 = 600 + ☐
10. 215 ☐ + 5
11. 962 900 + ☐
12. 306 ☐ + 6

Work out

13. 704 + 10 .....
14. 293 + 10 .....
15. 978 − 10 .....
16. 602 − 10 .....
17. 526 + 100 .....
18. 857 + 100 .....
19. 463 − 100 .....
20. 185 − 100 .....

Circle the larger number.

21	699	701
22	387	378
23	502	520
24	854	845

Start at 0. Count on

25. six steps of 4 .....
26. five steps of 8 .....
27. four steps of 50 .....
28. nine steps of 4 .....
29. eight steps of 8 .....
30. seven steps of 50 .....

Count on

31. 6 from 147 .....
32. 8 from 423 .....
33. 40 from 786 .....
34. 70 from 572 .....
35. 300 from 639 .....
36. 500 from 295 .....

Sheet 56 MENTAL CALCULATIONS REVIEW 56

Work out

1. 185 + 7 .....
2. 327 + 9 .....
3. 762 + 40 .....
4. 958 + 80 .....
5. 491 + 50 .....
6. 874 + 60 .....
7. 516 + 300 .....
8. 240 + 500 .....
9. 673 − 5 .....
10. 391 − 8 .....
11. 728 − 30 .....
12. 245 − 70 .....
13. 504 − 60 .....
14. 159 − 90 .....
15. 982 − 600 .....
16. 436 − 400 .....
17. 47 + 34 .....
18. 65 + 29 .....
19. 76 + 56 .....
20. 89 + 34 .....
21. 92 + 68 .....
22. 68 + 47 .....
23. 76 + 75 .....
24. 97 + 36 .....
25. 72 − 47 .....
26. 96 − 39 .....
27. 100 − 54 .....
28. 100 − 81 .....
29. 133 − 98 .....
30. 114 − 36 .....
31. 141 − 77 .....
32. 105 − 46 .....
33. 6 × 2 .....
34. 11 × 3 .....
35. 9 × 4 .....
36. 5 × 8 .....
37. 120 × 5 .....
38. 70 × 3 .....
39. 60 × 4 .....
40. 90 × 8 .....
41. 16 ÷ 2 .....
42. 27 ÷ 3 .....
43. 48 ÷ 4 .....
44. 64 ÷ 8 .....
45. 450 ÷ 5 .....
46. 360 ÷ 3 .....
47. 280 ÷ 4 .....
48. 480 ÷ 8 .....

Write the missing numbers.

49. 693 + ☐ = 708
50. 284 + ☐ = 344
51. ☐ + 5 = 243
52. ☐ + 90 = 535
53. 132 − ☐ = 47
54. 160 − ☐ = 91
55. ☐ − 63 = 78
56. ☐ − 57 = 67
57. ☐ × 5 = 350
58. ☐ × 4 = 440
59. ☐ ÷ 3 = 80
60. ☐ ÷ 8 = 70

Name .....

Sheet 57 WRITTEN CALCULATIONS REVIEW 57

Examples

$$\begin{array}{r} 496 \\ \times\ 327 \\ \hline 823 \\ \hline {\scriptstyle 1\ 1} \end{array} \qquad \begin{array}{r} {\scriptstyle 6\ 1} \\ 7\!\!\not{1}\,35 \\ -\ 282 \\ \hline 453 \end{array} \qquad \begin{array}{r} 63 \\ \times\ \ 8 \\ \hline 504 \\ \hline {\scriptstyle 2} \end{array} \qquad 3\overline{)\,5^{2}\,7}\ \ 19$$

Work out

1 $337 + 125$

2 $564 + 356$

3 $289 + 278$

4 $646 + 198$

5 $475 + 235$

6 $398 + 254$

7 $784 - 415$

8 $536 - 172$

9 $907 - 236$

10 $495 - 367$

11 $818 - 593$

12 $642 - 128$

13 76×3

14 45×4

15 27×8

16 96×5

17 39×3

18 68×4

19 $2\overline{)52}$

20 $3\overline{)72}$

21 $4\overline{)60}$

22 $5\overline{)85}$

23 $2\overline{)78}$

24 $5\overline{)70}$

Sheet 58 FRACTIONS REVIEW 58

Write the fraction shown.

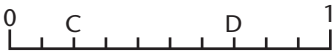
1



A = □/□

B = □/□

2

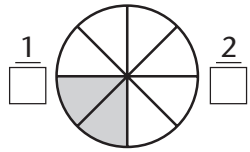


C = □/□

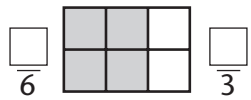
D = □/□

Complete the equivalent fractions.

3



4



Circle the larger fraction.

5 $\frac{3}{6}$ $\frac{4}{6}$

6 $\frac{2}{3}$ $\frac{2}{5}$

7 $\frac{3}{8}$ $\frac{7}{8}$

8 $\frac{5}{9}$ $\frac{5}{12}$

Write in order, smallest first

9 $\frac{1}{3}$ $\frac{1}{8}$ $\frac{1}{5}$ .....

10 $\frac{4}{7}$ $\frac{6}{7}$ $\frac{3}{7}$ .....

Fill in the boxes

11 $1 = \frac{3}{10} + \frac{\square}{10}$

12 $1 = \frac{\square}{6} + \frac{5}{6}$

13 $\frac{1}{5} + \frac{2}{5} = \frac{\square}{\square}$

14 $\frac{7}{9} - \frac{4}{9} = \frac{\square}{\square}$

15 $\frac{3}{8} + \frac{2}{8} = \frac{\square}{\square}$

16 $\frac{11}{12} - \frac{5}{12} = \frac{\square}{\square}$

17 Count on 4 tenths from $\frac{2}{10}$ .....

18 Count back 3 tenths from $\frac{8}{10}$ .....

19 Count on 6 tenths from $\frac{1}{10}$ .....

20 Count back 5 tenths from 1 .....

Work out

21 $\frac{1}{5}$ of 40 .....

22 $\frac{1}{4}$ of 24 .....

23 $\frac{1}{3}$ of 21 .....

24 $\frac{1}{10}$ of 100 .....

25 $\frac{1}{2}$ of 18 .....

26 $\frac{1}{8}$ of 16 .....

27 $\frac{1}{5}$ of 60 .....

28 $\frac{1}{4}$ of 32 .....

29 $\frac{1}{3}$ of 15 .....

30 $\frac{1}{10}$ of 70 .....

31 $\frac{1}{2}$ of 24 .....

32 $\frac{1}{8}$ of 48 .....

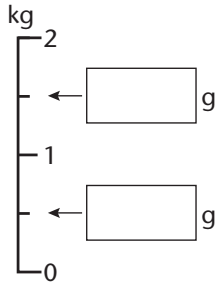
Name .....

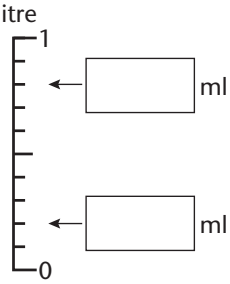
Sheet 59 MEASURES REVIEW 59

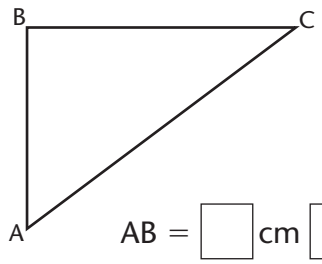
Write the answer in the box.

1. 4 cm = ☐ mm
2. 2 m = ☐ cm
3. 5 km = ☐ m
4. 8 litres = ☐ ml
5. 3 kg = ☐ g
6. $1\frac{1}{2}$ hours = ☐ minutes
7. 27 mm = ☐ cm ☐ mm
8. 540 cm = ☐ m ☐ cm
9. 700 m = ☐ km ☐ m
10. 4800 ml = ☐ litres ☐ ml
11. 2500 g = ☐ kg ☐ g
12. 300 seconds = ☐ minutes

Write the measurements in the box.

13. 

14. 

15. 

AB = ☐ cm ☐ mm

BC = ☐ cm ☐ mm

AC = ☐ cm ☐ mm

Perimeter = ☐ cm ☐ mm

Write each time in figures, using am and pm.

16. 10 to 3, afternoon .....
17. 25 past 4, night .....
18. 7 minutes past midnight .....
19. 20 to 6, evening .....

20. How long is each lesson?

	PE	Science
Start	10:40	1:15
Finish	11:25	2:10
Length (mins)	☐	☐

21. Work out the total cost of buying these items and the change from £2.

pencil 25p
rubber 40p
ruler 79p

Cost £ ☐ Change ☐ p

Sheet 60 YEAR 3 REVIEW 60

Write the answer in the box.

1. The sum of 75 and 48 is [ ].
2. Three and a half litres is [ ] ml
3. Nisha has seven 50p coins. She has £[ ] altogether.
4. Write four hundred and three in figures. [ ]
5. 65 cm is cut off a one metre length of wood. [ ] cm is left.
6. Five eighths of a cake is eaten. What fraction is left? [ ] eighths
7. Four people sit at each table. [ ] tables are needed for 48 people.
8. It is 2:57. It is [ ] minutes until quarter to four.
9. 82 is 46 larger than [ ].
10. A square based pyramid has [ ] faces and [ ] edges.
11. Eighty pins in one packet. [ ] pins in three packets.
12. Two hundred seconds is [ ] minutes [ ] seconds.
13. Jack has £114. He spends £29. He has £[ ] left.
14. One eighth of 72 is [ ].
15. The nine in 495 has a value of [ ].
16. Eleven multiplied by 4 is [ ].
17. [ ] is 60 more than 287.
18. Laura spends £2·70. She pays £5. She is given £[ ] change.
19. Half of 140 is [ ].
20. A square has sides of 3 cm 5 mm. Its perimeter is [ ] cm.

YEAR 3 HOMEWORK SHEETS ANSWERS

HS1

1 53
2 200
3 731
4 194
5 961
6 512
7 640
8 385
9 807
10 1000
11 one hundred and sixty
12 five hunded and thirty-two
13 ninety-seven
14 three hundred and fifty-eight
15 seven hundred and three
16 four hundred and eighty-one
17 eight hundred and twenty
18 nine hundred and nineteen
19 six hundred and five
20 five hundred and seventy-four

HS2

1 20	**8** 800	**15** 70	**22** 6	**29** 600
2 9	**9** 50	**16** 8	**23** 800	**30** 8
3 500	**10** 7	**17** 30	**24** 70	**31** 2
4 80	**11** 900	**18** 100	**25** 500	**32** 64
5 600	**12** 6	**19** 5	**26** 4	**33** 830
6 4	**13** 40	**20** 400	**27** 96	**34** 7
7 30	**14** 300	**21** 60	**28** 250	**35** 300

HS3

1 185	**11** 447	**21** 915	**31** 817
2 813	**12** 795	**22** 118	**32** 284
3 656	**13** 258	**23** 752	**33** 525
4 338	**14** 624	**24** 231	**34** 900
5 502	**15** 972	**25** 297	**35** 749
6 250	**16** 319	**26** 660	**36** 351
7 927	**17** 631	**27** 593	**37** 832
8 499	**18** 86	**28** 826	**38** 568
9 771	**19** 197	**29** 449	**39** 196
10 604	**20** 463	**30** 804	**40** 773

HS4

1 263	**9** 517	**17** 911	**25** 458	459	460	461
2 790	**10** 785	**18** 476	**26** 875	885	895	905
3 911	**11** 933	**19** 723	**27** 597	697	797	897
4 355	**12** 829	**20** 1032	**28** 590	591	592	593
5 600	**13** 191	**21** 820	**29** 803	813	823	833
6 922	**14** 715	**22** 935	**30** 418	518	618	718
7 234	**15** 243	**23** 609				
8 811	**16** 424	**24** 757				

HS5

1 20	**5** 32	**9** 24	**13** 28	**17** 48	**21** 36				
2 32	**6** 56	**10** 80	**14** 40	**18** 72	**22** 48				
3 150	**7** 300	**11** 350	**15** 200	**19** 250	**23** 400				
4 500	**8** 900	**12** 400	**16** 800	**20** 600	**24** 1000				
25 4	8	12	16	20	24	28	32	36	40
26 8	16	24	32	40	48	56	64	72	80
27 50	100	150	200	250	300	350	400	450	500
28 100	200	300	400	500	600	700	800	900	1000
29 53	153	253	353	453	553	653	753	853	953
30 6	56	106	156	206	256	306	356	406	456

HS6

1 431	**9** 372	**17** 731	**25** 622	**33** 293
2 174	**10** 584	**18** 265	**26** 466	**34** 727
3 323	**11** 863	**19** 203	**27** 193	**35** 902
4 800	**12** 138	**20** 880	**28** 948	**36** 509
5 589	**13** 976	**21** 492	**29** 540	**37** 631
6 227	**14** 638	**22** 908	**30** 312	**38** 256
7 836	**15** 706	**23** 477	**31** 876	**39** 152
8 678	**16** 485	**24** 335	**32** 289	**40** 368

HS7

1 218	**9** 531	**17** 325	**25** 839	**33** 648
2 562	**10** 823	**18** 218	**26** 343	**34** 181
3 333	**11** 457	**19** 1041	**27** 641	**35** 825
4 775	**12** 606	**20** 407	**28** 168	**36** 62
5 747	**13** 858	**21** 553	**29** 486	**37** 713
6 259	**14** 164	**22** 449	**30** 897	**38** 266
7 684	**15** 189	**23** 396	**31** 954	**39** 1057
8 76	**16** 772	**24** 784	**32** 202	**40** 784

HS8

1 546	**9** 592	**17** 602	**25** 654	**33** 572
2 795	**10** 947	**18** 858	**26** 279	**34** 194
3 818	**11** 253	**19** 951	**27** 391	**35** 735
4 920	**12** 878	**20** 676	**28** 508	**36** 577
5 173	**13** 409	**21** 437	**29** 782	**37** 969
6 761	**14** 324	**22** 114	**30** 645	**38** 50
7 259	**15** 286	**23** 329	**31** 817	**39** 615
8 534	**16** 31	**24** 663	**32** 36	**40** 383

HS9

1 110	**9** 120	**17** 120	**25** 70	**33** 80
2 180	**10** 170	**18** 140	**26** 60	**34** 80
3 110	**11** 200	**19** 120	**27** 80	**35** 90
4 130	**12** 180	**20** 180	**28** 70	**36** 50
5 120	**13** 100	**21** 60	**29** 90	**37** 70
6 150	**14** 150	**22** 90	**30** 70	**38** 90
7 190	**15** 160	**23** 50	**31** 80	**39** 40
8 130	**16** 140	**24** 50	**32** 70	**40** 50

HS10

1 63	**5** 27	**9** 81	**13** 114	**17** 27	**21** 68
2 91	**6** 69	**10** 106	**14** 83	**18** 45	**22** 49
3 124	**7** 78	**11** 72	**15** 164	**19** 14	**23** 35
4 142	**8** 66	**12** 145	**16** 126	**20** 86	**24** 88

HS11

1 60	**7** 81	**13** 54	**19** 29	**25** 68	**31** 39
2 30	**8** 26	**14** 37	**20** 58	**26** 26	**32** 65
3 95	**9** 90	**15** 93	**21** 46	**27** 54	
4 45	**10** 40	**16** 18	**22** 45	**28** 79	
5 62	**11** 75	**17** 77	**23** 57	**29** 84	
6 9	**12** 15	**18** 66	**24** 84	**30** 47	

HS12

1 682	**4** 756	**7** 830	**10** 905	**13** 821	**16** 610
2 438	**5** 993	**8** 523	**11** 513	**14** 940	**17** 727
3 262	**6** 836	**9** 765	**12** 980	**15** 754	**18** 1072

HS13

1 718	**4** 777	**7** 884	**10** 922	**13** 813	**16** 913
2 401	**5** 847	**8** 984	**11** 612	**14** 546	**17** 940
3 719	**6** 609	**9** 671	**12** 731	**15** 895	**18** 843

HS14

1 143	**4** 261	**7** 195	**10** 518	**13** 356	**16** 367
2 183	**5** 234	**8** 48	**11** 146	**14** 483	**17** 151
3 227	**6** 380	**9** 374	**12** 353	**15** 179	**18** 685

HS15

1 228	**4** 62	**7** 353	**10** 268	**13** 498	**16** 49
2 376	**5** 457	**8** 307	**11** 295	**14** 390	**17** 585
3 316	**6** 184	**9** 45	**12** 694	**15** 264	**18** 156

HS16

1 35 **2** 88 **3** 53 **4** 71 **5** 16 **6** 44 **7** 119 **8** 784 **9** 337 **10** 875 **11** 442 **12** 257 **13** 23 **14** 45 **15** 59 **16** 28 **17** 42 **18** 57 **19** 428 **20** 285 **21** 763 **22** 569 **23** 336 **24** 812 **25** 36 **26** 65 **27** 48 **28** 44 **29** 29 **30** 73 **31** 646 **32** 282 **33** 417 **34** 590 **35** 753 **36** 838

HS17

1 24 **2** 15 **3** 33 **4** 6 **5** 30 **6** 3 **7** 27 **8** 18 **9** 9 **10** 21 **11** 12 **12** 36 **13** 4 **14** 9 **15** 1 **16** 12 **17** 7 **18** 3 **19** 10 **20** 6 **21** 2 **22** 11 **23** 5 **24** 8 **25** 6 **26** 3 **27** 11 **28** 5 **29** 8 **30** 2 **31** 12 **32** 4 **33** 10 **34** 9 **35** 1 **36** 7 **37** 21 **38** 3 **39** 15 **40** 36 **41** 27 **42** 18 **43** 30 **44** 9 **45** 12 **46** 33 **47** 6 **48** 24

HS18

1 20 **2** 12 **3** 44 **4** 28 **5** 4 **6** 24 **7** 32 **8** 40 **9** 16 **10** 48 **11** 8 **12** 36 **13** 10 **14** 2 **15** 8 **16** 5 **17** 4 **18** 7 **19** 1 **20** 12 **21** 9 **22** 3 **23** 11 **24** 6 **25** 16 **26** 36 **27** 12 **28** 44 **29** 8 **30** 40 **31** 24 **32** 32 **33** 20 **34** 4 **35** 48 **36** 28 **37** 7 **38** 1 **39** 6 **40** 12 **41** 10 **42** 3 **43** 5 **44** 9 **45** 2 **46** 8 **47** 4 **48** 11

HS19

1 32 **2** 80 **3** 8 **4** 64 **5** 88 **6** 16 **7** 72 **8** 48 **9** 24 **10** 40 **11** 96 **12** 56 **13** 6 **14** 11 **15** 3 **16** 9 **17** 1 **18** 7 **19** 5 **20** 12 **21** 4 **22** 10 **23** 2 **24** 8 **25** 5 **26** 1 **27** 10 **28** 8 **29** 2 **30** 7 **31** 4 **32** 11 **33** 9 **34** 6 **35** 3 **36** 12 **37** 56 **38** 88 **39** 48 **40** 16 **41** 96 **42** 24 **43** 40 **44** 64 **45** 80 **46** 8 **47** 72 **48** 32

HS20

1 4 **2** 16 **3** 22 **4** 6 **5** 5 **6** 9 **7** 8 **8** 24 **9** 14 **10** 30 **11** 15 **12** 60 **13** 1 **14** 9 **15** 7 **16** 55 **17** 50 **18** 40 **19** 100 **20** 70 **21** 90 **22** 4 **23** 12 **24** 8 **25** 20 **26** 60 **27** 110 **28** 15 **29** 33 **30** 24 **31** 6 **32** 3 **33** 9 **34** 3 **35** 36 **36** 21 **37** 24 **38** 4 **39** 48 **40** 2 **41** 11 **42** 7 **43** 20 **44** 32 **45** 36 **46** 32 **47** 72 **48** 56 **49** 10 **50** 8 **51** 12 **52** 24 **53** 88 **54** 48

HS21

1 12, 120 **2** 20, 200 **3** 44, 440 **4** 21, 210 **5** 35, 350 **6** 36, 360 **7** 6, 60 **8** 32, 320 **9** 15, 150 **10** 24, 240 **11** 45, 450 **12** 22, 220 **13** 80 **14** 180 **15** 240 **16** 600 **17** 270 **18** 480 **19** 250 **20** 140 **21** 300 **22** 240 **23** 120 **24** 200 **25** 120 g **26** 200 **27** 240 **28** 720 ml **29** £4.50 **30** 280

HS22

1 250 **2** 320 **3** 240 **4** 100 **5** 90 **6** 400 **7** 40 **8** 720 **9** 120 **10** 550 **11** 270 **12** 160 **13** 80 **14** 480 **15** 360 **16** 330 **17** 100 **18** 640 **19** 180 **20** 200 **21** 180 **22** 150 **23** 280 **24** 960 **25** 360 **26** 220 **27** 250 **28** 560 **29** 160 **30** 240 **31** 300 **32** 140 **33** 720 **34** 60 **35** 480 **36** 350 **37** 480 **38** 150 **39** £180 **40** 480 **41** £2.70 **42** 140

HS23

1 5, 50 **2** 7, 70 **3** 6, 60 **4** 3, 30 **5** 12, 120 **6** 8, 80 **7** 6, 60 **8** 9, 90 **9** 11, 110 **10** 8, 80 **11** 4, 40 **12** 6, 60 **13** 60 **14** 20 **15** 90 **16** 50 **17** 70 **18** 20 **19** 120 **20** 40 **21** 90 **22** 110 **23** 80 **24** 50 **25** 30 **26** £50 **27** 20 **28** 90 **29** 80 **30** 70kg

HS24

1 20 **2** 60 **3** 70 **4** 50 **5** 20 **6** 80 **7** 40 **8** 90 **9** 70 **10** 120 **11** 40 **12** 110 **13** 30 **14** 110 **15** 80 **16** 70 **17** 20 **18** 80 **19** 120 **20** 30 **21** 120 **22** 30 **23** 70 **24** 90 **25** 60 **26** 110 **27** 80 **28** 50 **29** 120 **30** 90 **31** 50 **32** 60 **33** 120 **34** 60 **35** 90 **36** 70 **37** 60 **38** 50 g **39** 40 **40** 110 **41** 30 g **42** £40

HS25

1 74 **2** 195 **3** 116 **4** 370 **5** 118 **6** 144 **7** 336 **8** 185 **9** 164 **10** 219 **11** 260 **12** 460 **13** 168 **14** 312 **15** 128 **16** £430 **17** 282

HS26

1 136 **2** 150 **3** 201 **4** 490 **5** 512 **6** 344 **7** 96 **8** 162 **9** 624 **10** 325 **11** 388 **12** 117 **13** 472 **14** 235 **15** 258 **16** 744 g **17** 300

HS27

1 34 **2** 13 **3** 20 **4** 23 **5** 19 **6** 24 **7** 15 **8** 26 **9** 32 **10** 16 **11** 19 **12** 23 **13** 13 **14** 17 **15** 45 **16** 18 **17** 28 **18** 37 **19** 19p **20** 27

HS28

1 43 **2** 16 **3** 14 **4** 13 **5** 12 **6** 18 **7** 25 **8** 24 **9** 29 **10** 17 **11** 18 **12** 19 **13** 14 **14** 35 **15** 29 **16** 17 **17** 20 **18** 47 **19** 18 **20** 39

HS29

1 114 **2** 157 **3** 585 g **4** 48 **5** 135 **6** 79 kg **7** 482 **8** 55 cm **9** 224 **10** 75p **11** 88 **12** 70 **13** 202 **14** 26 **15** 172 **16** 68

HS30

1 28 **2** 8 **3** £6·00 **4** £10 **5** 9 **6** 60p **7** 30 **8** 22 **9** 6 **10** 400 **11** 12 **12** 36 **13** 120 **14** 60 g **15** 200 ml **16** 240 **17** 20p **18** 240 **19** 35 **20** 45

HS31

1 $\frac{1}{2}$ **2** $\frac{1}{6}$ **3** $\frac{1}{10}$ **4** $\frac{1}{4}$ **5** $\frac{2}{3}$ **6** $\frac{2}{8}$ **7** $\frac{2}{5}$ **8** $\frac{2}{9}$ **17** $\frac{1}{10}$, $\frac{3}{10}$, $\frac{6}{10}$, $\frac{9}{10}$ **18** $\frac{1}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, $\frac{7}{8}$ **19** $\frac{1}{6}$, $\frac{3}{6}$, $\frac{5}{6}$ **20** $\frac{1}{12}$, $\frac{5}{12}$, $\frac{8}{12}$, $\frac{11}{12}$

HS32

1 7 **2** 4 **3** 9 **4** 12 **5** 6 **6** 11 **7** 8 **8** 10 **9** 9 **10** 3 **11** 5 **12** 10 **13** 6 **14** 7 **15** 9 **16** 12 **17** 9 **18** 5 **19** 11 **20** 9 **21** 6 **22** 8 **23** 12 **24** 8 **25** 5 **26** 10 **27** 3 **28** 6 **29** 12 **30** £6 **31** £30 **32** £12 **33** 400 g **34** 200 g **35** 100 g

HS33

2 $\frac{4}{8}$ **3** $\frac{8}{10}$ **4** $\frac{9}{12}$ **5** $\frac{6}{10}$ **6** $\frac{2}{8}$ **7** $\frac{6}{9}$ **8** $\frac{3}{6}$ **9** $\frac{2}{4}$ **10** $\frac{2}{12}$ **11** $\frac{6}{8}$ **12** $\frac{4}{6}$ **13** $\frac{2}{8}$ **14** $\frac{10}{12}$ **15** $\frac{8}{8}$ **16** $\frac{4}{12}$

HS34

1 $\frac{1}{4}$ **2** $\frac{3}{6}$ **3** $\frac{2}{3}$ **4** $\frac{6}{10}$ **5** $\frac{2}{5}$ **6** $\frac{1}{8}$ **7** $\frac{2}{3}$ **8** $\frac{7}{8}$ **9** $\frac{2}{4}$ **10** $\frac{6}{10}$ **11** $\frac{3}{5}$ **12** $\frac{7}{12}$ **13** $\frac{3}{9}$ **14** $\frac{1}{7}$ **15** $\frac{1}{6}$ **16** $\frac{5}{10}$ **17** $\frac{2}{5}$ **18** $\frac{4}{8}$

HS35

1 $\frac{2}{6}$ **2** $\frac{1}{2}$ **3** $\frac{7}{12}$ **4** $\frac{3}{7}$ **5** $\frac{5}{8}$ **6** $\frac{4}{5}$ **7** $\frac{4}{7}$ **8** $\frac{2}{3}$ **9** $\frac{9}{10}$ **10** $\frac{1}{10}$, $\frac{1}{4}$, $\frac{1}{2}$ **11** $\frac{1}{5}$, $\frac{3}{5}$, $\frac{4}{5}$ **12** $\frac{5}{12}$, $\frac{5}{8}$, $\frac{5}{6}$ **13** $\frac{1}{12}$, $\frac{4}{12}$, $\frac{11}{12}$ **14** $\frac{2}{8}$, $\frac{2}{7}$, $\frac{2}{3}$ **15** $\frac{6}{9}$, $\frac{7}{9}$, $\frac{8}{9}$

HS36

1 0·5 cm 4·5 cm 8·5 cm 13·5 cm
2 17 cm 20·5 cm 24·5 cm 27·5 cm
3 10·5 cm **5** 5 cm **7** 8 cm
4 6·5 cm **6** 12·5 cm **8** 9·5 cm
9 A 4·5 cm B 5·5 cm C 4·5 cm D 5·5 cm Perimeter 20 cm
10 X 6·5 cm Y 5·5 cm Z 7·5 cm Perimeter 19·5 cm

HS37

1 1·5 *l*, 4·5 *l*
2 0·5 *l*, 2·5 *l*
3 40 ml, 70 ml
4 75 ml, 175 ml
5 200 g, 600 g
6 1 kg, 5 kg
7 50 g, 350 g
8 0·5 kg, 1·5 kg
9 150 g
10 5 kg
11 20 g
12 1·5 kg
13 8 *l*, 16 *l*
14 150 ml, 450 ml
15 15 *l*, 35 *l*
16 250 ml, 1250 ml

HS38

1 5 m
2 2 kg
3 10 cm
4 4 litres
5 1000 m
6 5000 g
7 800 cm
8 2000 ml
9 6 cm
10 1 litre
11 4 km
12 9 kg
13 200 cm
14 7000 ml
15 50 mm
16 3000 g
17 3500 ml
18 300 m
19 4600 g
20 190 cm
21 6 *l* 900 ml
22 3 cm 7 mm
23 1 kg 200 g
24 5 km 400 m
25 790 cm
26 700 g
27 82 mm
28 1300 ml
29 2 km 800 m
30 8 kg 500 g
31 4 m 50 cm
32 0 *l* 100 ml

HS39

1 361 m
2 824 g
3 £477
4 241 km
5 791 ml
6 £954
7 328 m
8 602 kg
9 £225
10 833 km
11 766 ml
12 £441
13 924 m
14 857 g
15 £779
16 542 km
17 610 ml
18 £988
19 £268
20 144 km
21 928 kg
22 £335
23 776 m
24 419 ml
25 £499
26 777 km
27 555 g
28 £344
29 168 m
30 682 ml
31 £541
32 236 km
33 603 kg
34 £495
35 249 m
36 164 ml

HS40

1 7:50 am
2 3:15 pm
3 11:25 pm
4 5:40 am
5 6:57 pm
6 10:08 am
7 8:45 pm
8 12:22 pm
9 2:36 am
10 7:14 am
11 10:59 pm
12 4:03 pm

HS41

1 60
2 24
3 25
4 40
5 10
6 55
7 18
8 44
9 7
10 31
11 23
12 59
13 12
14 46
15 5
16 16
17 9
18 20
19 13
20 3
21 11
22 18
23 6
24 23
25 2
26 15
27 55
28 3:10
29 2:00
30 37
31 6:00
32 6:15

HS42

1 217p
2 525p
3 60p
4 732p
5 484p
6 103p
7 849p
8 96p
9 £3·51
10 £0·08
11 £9·13
12 £6·70
13 £1·29
14 £4·65
15 £7·02
16 £0·94
17 10
18 5
19 20
20 50
21 4
22 20
23 10
24 200
25 1000
26 100
27 50
28 20
29 40p
30 40p
31 £1·50
32 £1·70
33 £1·70, 30p
34 £1·74, 26p
35 £5·00, £5·00
36 £7·59, £2·41

HS43

1 80
2 30
3 60
4 90
5 65
6 15
7 45
8 95
9 51
10 7
11 34
12 88
13 73
14 49
15 92
16 16
17 64
18 21
19 57
20 85
21 38
22 76
23 13
24 9

25

Cost	Change
74p	26p
£5·50	£4·50
£4·50	50p
£10·00	0p
£1·98	2p
£2·40	£2·60

26

Cost	Change
92p	8p
£3·49	£1·51
£2·30	£7·70
£2·87	£2·13
£1·79	21p
£2·05	£2·95

HS44

1 127 miles
2 300 g
3 500 ml
4 70 m
5 1300 g
6 48 litres
7 45 cm
8 90 g
9 750 ml
10 1 m 20 cm
11 245 g
12 200 ml

HS45

1 55 kg
2 36 m
3 20 ml
4 40 g
5 343 m
6 750 ml
7 1 kg 300 g
8 20 cm
9 103 litres
10 120 kg
11 65 miles
12 350 ml

HS46

1 £18
2 30 g
3 36 cm
4 60 ml
5 90 km
6 280 g
7 400 ml
8 40 litres
9 30 cm
10 £120
11 £4·80
12 60 kg

HS47

allow +/− 0·1 cm
5 7·0 cm
6 7·8 cm

HS48

1 A semicircle
B octagon
C rectangle
D hexagon
E quadrilateral
F circle
G square
H pentagon

2 a) B C D E G H
b) A F
c) C E G
d) B G H

HS49

1 a) hemisphere
b) cylinder
c) cone
d) sphere

2

Shape	F	E	V
A hexagonal prism	8	18	12
B triangular based pyramid	4	6	4
C cube	6	12	8
D pentagonal prism	7	15	10
E square based pyramid	5	8	5
F octagonal prism	10	24	16
G triangular prism	5	9	6
H cuboid	6	12	8

HS50

1 6 o'clock
2 3 o'clock
3 12 o'clock
4 9 o'clock
5 4 o'clock
6 7 o'clock
7 1 o'clock
8 10 o'clock
9 half
10 three quarter
11 right angle
12 half
13 three quarter
14 right angle
15 three quarter
16 right angle

17 A right angle
B smaller
C smaller

18 D right angle
E smaller
F right angle
G larger

19 H smaller
I larger
J right angle
K right angle

HS52

1 a 10 **b** 12
2 a Dean **b** Bob
3 8
4 4
5 50
6 a 40 **b** 60
7 a Saturday **b** Tuesday
8 30
9 20
10 200

HS54

1 a 8 **b** 16
2 a grey **b** black
3 2
4 10
5 54
6 30
7 16
8 4
9 4
10 a 20 **b** 32
11 68
12 8,9

HS55

1 450
2 672
3 384
4 907
5 40
6 700
7 500, 9
8 50, 4
9 38
10 210
11 62
12 300
13 714
14 303
15 968
16 592
17 626
18 957
19 363
20 85
21 701
22 387
23 520
24 854
25 24
26 40
27 200
28 36
29 64
30 350
31 153
32 431
33 826
34 642
35 939
36 795

HS56

1 192
2 336
3 802
4 1038
5 541
6 934
7 816
8 740
9 668
10 383
11 698
12 175
13 444
14 69
15 382
16 36
17 81
18 94
19 132
20 123
21 160
22 115
23 151
24 133
25 25
26 57
27 46
28 19
29 35
30 78
31 64
32 59
33 12
34 33
35 36
36 40
37 600
38 210
39 240
40 720
41 8
42 9
43 12
44 8
45 90
46 120
47 70
48 60
49 15
50 60
51 238
52 445
53 85
54 69
55 141
56 124
57 70
58 110
59 240
60 560

HS57

1 462
2 920
3 567
4 844
5 710
6 652
7 369
8 364
9 671
10 128
11 225
12 514
13 228
14 180
15 216
16 480
17 117
18 272
19 26
20 24
21 15
22 17
23 39
24 14

HS58

1 A $\frac{1}{5}$ **B** $\frac{4}{5}$
2 C $\frac{2}{10}$ **D** $\frac{7}{10}$
3 $\frac{1}{4}$ $\frac{2}{8}$
4 $\frac{4}{6}$ $\frac{2}{3}$
5 $\frac{4}{6}$
6 $\frac{2}{3}$
7 $\frac{7}{8}$
8 $\frac{5}{9}$
9 $\frac{1}{8}$ $\frac{1}{5}$ $\frac{1}{3}$
10 $\frac{3}{7}$ $\frac{4}{7}$ $\frac{6}{7}$
11 $\frac{7}{10}$
12 $\frac{1}{6}$
13 $\frac{3}{5}$
14 $\frac{3}{9}$
15 $\frac{5}{8}$
16 $\frac{6}{12}$
17 $\frac{6}{10}$
18 $\frac{5}{10}$
19 $\frac{7}{10}$
20 $\frac{5}{10}$
21 8
22 6
23 7
24 10
25 9
26 2
27 12
28 8
29 5
30 7
31 12
32 6

HS59

1 40 mm
2 200 cm
3 5000 m
4 8000 ml
5 3000 g
6 90 mins.
7 2 cm 7 mm
8 5 m 40 cm
9 0 km 700 m
10 4 *l* 800 ml
11 2 kg 500 g
12 5 mins.
13 500 g, 1500 g
14 400 ml, 800 ml
15 AB 2 cm 7 mm
BC 3 cm 6 mm
AC 4 cm 5 mm
Perimeter 10 cm 8 mm
16 2:50pm
17 4:25 am
18 12:07 am
19 5:40 pm
20 45 mins., 55 mins.
21 £1·44, 56p

HS60

1 123
2 3500 ml
3 £3·50
4 403
5 35 cm
6 3 eighths
7 12
8 48
9 36
10 5, 8
11 240
12 3 mins, 20 secs
13 £85
14 9
15 90
16 44
17 347
18 £2·30
19 70
20 14 cm