

1.

I need **4.25 metres** of ribbon.

a. How much is this to the **nearest tenth** of a metre?

1 mark

b. How much is this to the **nearest** metre?

1 mark

c. If ribbon is sold only in **whole metres**, how many metres do I need to buy?

1 mark

2.

Aryan's grandmother lives **235 kilometres** away from Aryan.

His aunt lives **3** times that distance away from Aryan.

a. How far away does Aryan's aunt live from him?

1 mark

b. How far is this to the nearest 100 kilometres?

1 mark

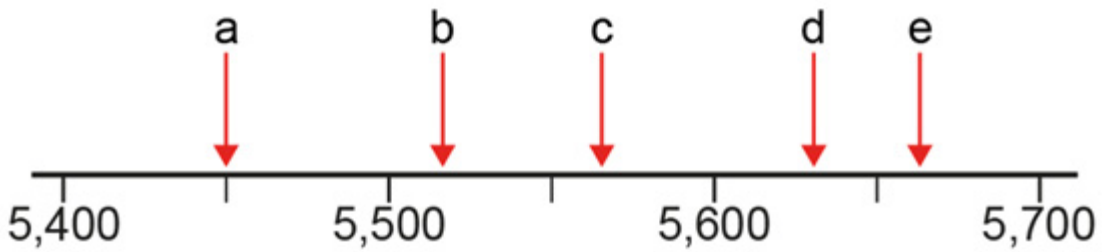
3. A farmer weighed each of 6 new-born lambs.

Round the mass of each lamb to the nearest whole kilogram.

	Rounded to the nearest whole kilogram
5.19kg	
6.7kg	
4.08kg	
6.1kg	
6.45kg	
4.91kg	

2 marks

4.



Round each number to the **nearest thousand**?

a =

b =

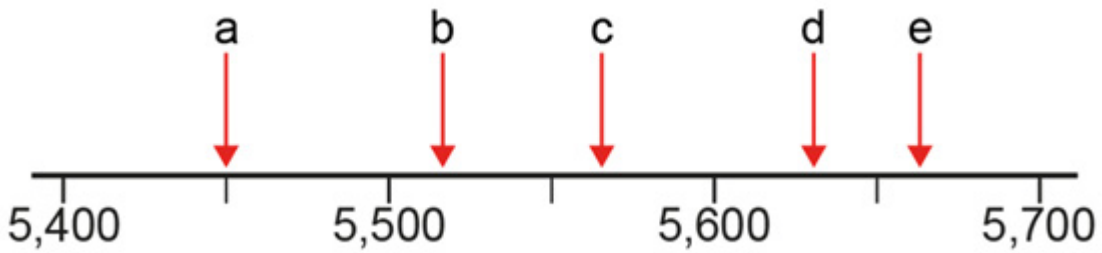
c =

d =

e =

2 marks

5.



Which 2 numbers **round to 5,600** when rounded to **the nearest hundred**?

and

1 mark

6. Fill in the missing numbers.

previous multiple of 100

← 630 →

next multiple of 100

previous multiple of 100

← 347 →

next multiple of 100

previous multiple of 10

← 492 →

next multiple of 10

previous multiple of 10

← 347 →

next multiple of 10

2 marks

7.

to the nearest 10 is

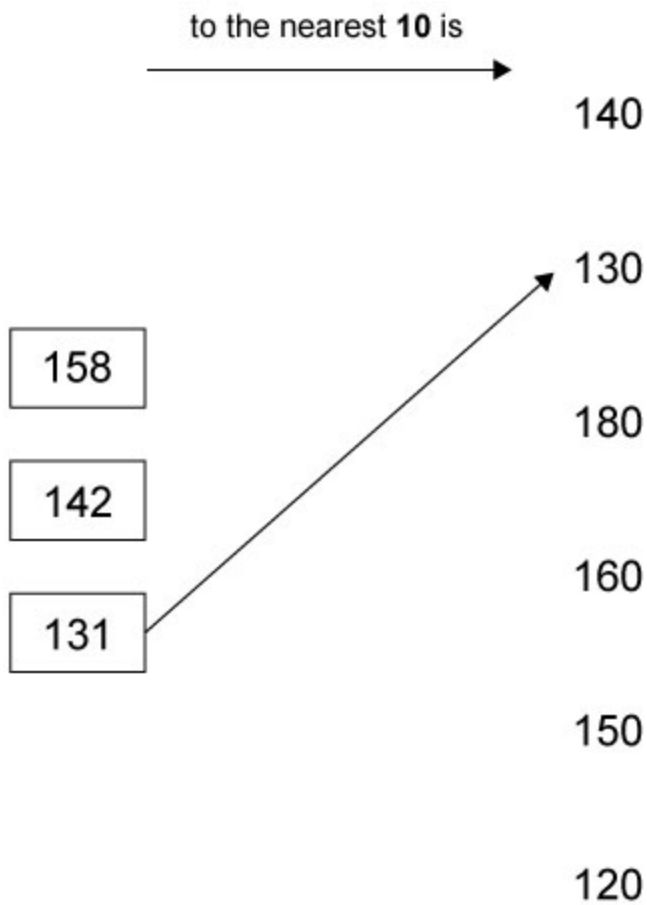


to the nearest 10 is



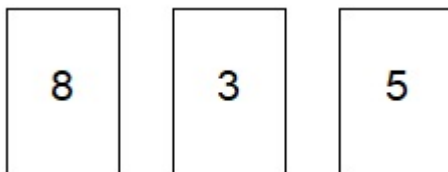
1 mark

8. Match each number in a box to the nearest 10



1 mark

9. Look at these digits.



Use all the digits to make the number nearest to 600

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1 mark

10.

Here are some numbers.

307 249 355 297 311

Write one of the numbers in the box to make this correct.

The number _____ rounded to the nearest **10** is **300**

1 mark

11.

Write each number in the correct box.

One is done for you.

~~33~~ 17 12 28

round to 10	round to 20	round to 30
		33

1 mark

13.**87 times table**

Here is part of the 87 times table.

1	×	87	=	87
2	×	87	=	174
3	×	87	=	261
4	×	87	=	348
5	×	87	=	435
6	×	87	=	522
7	×	87	=	609
8	×	87	=	696
9	×	87	=	783
10	×	87	=	870

(a) The answer to **14 × 87** is 1218

You can use the table to work out this answer in different ways.

Fill in the gaps to complete two different ways.

First way:

$7 \times 87 = 609$, then multiply 609 by

1 mark

Second way:

$10 \times 87 = 870$ and $4 \times 87 = 348$, then

1 mark

16. Complete this table by rounding the numbers to the **nearest hundred**.

	Rounded to the nearest hundred
70,906	
7,090.6	
709.06	

2 marks

17. Write in the missing numbers.

Number	Rounded to the nearest whole number
7.05	
7.55	
6.45	
6.54	

2 marks

18. Round **62,164**

to the nearest 10

to the nearest 100

to the nearest 1,000

2 marks

19.

Here are three digit cards.



Use the cards to make the number nearest to 400



1 mark

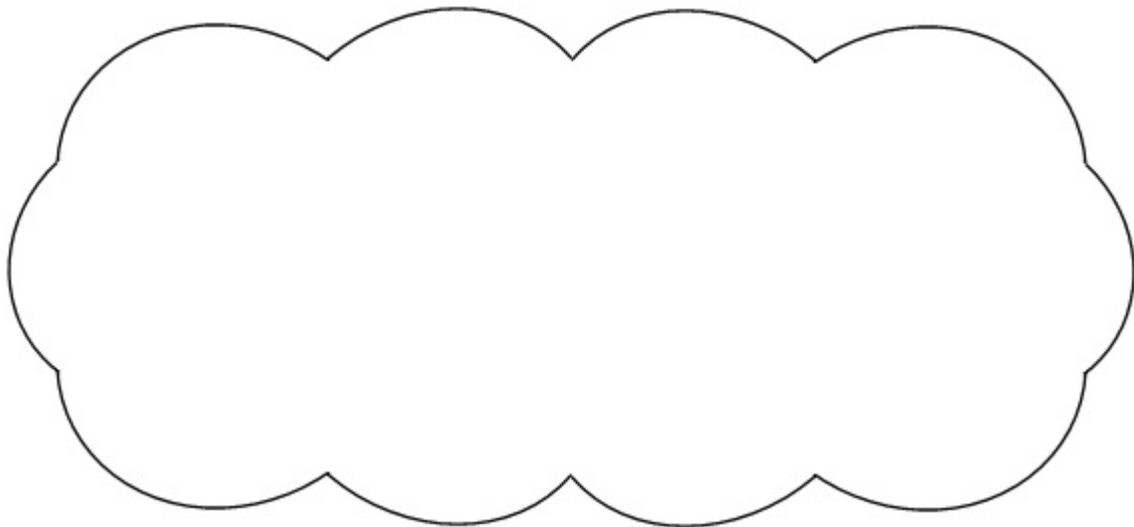
20.

Circle the number which is **closer to 1000**

994

1004

Explain how you know.



1 mark

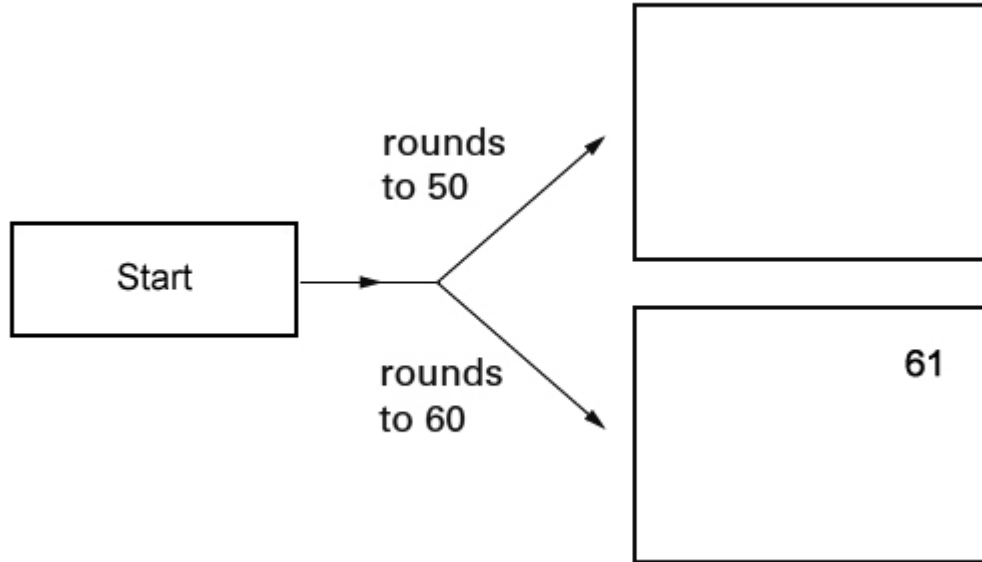
21.

Here is a diagram for rounding numbers to the **nearest 10**

Write these numbers in the correct boxes.

One has been done for you.

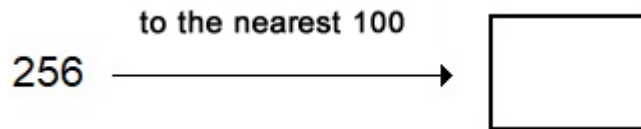
~~61~~ 48 59 52



1 mark

22.

Write the missing number.



1 mark

Mark schemes

- 1.** Award **TWO** marks for all four correct answers.
- a. 4.3 metres 1
 - b. 4 metres 1
 - c. 5 metres 1
- [3]**

- 2.**
- a. 705 km
 - b. 700 km
- [1]**

- 3.** Award **TWO** marks for all values correct as shown:

	Rounded to nearest whole kilogram
5.19 kg	5 kg
6.7 kg	7 kg
4.08 kg	4 kg
6.1 kg	6 kg
6.45 kg	6 kg
4.91 kg	5 kg

If the answer is incorrect, award **ONE** mark for five numbers correctly rounded.

Up to 2m

[2]

- 4.** Award **TWO** marks for correct answers as shown:
a = 5,000; b = 6,000; c = 6,000; d = 6,000; e = 6,000

If incorrect, award **ONE** mark for any 3 or 4 correct.

[2]

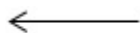
- 5.** Award **ONE** mark for correct answers as shown:
c and d

[1]

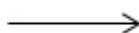
6. Award **TWO** marks for all statements completed correctly as shown:

previous multiple of 100

600



630



next multiple of 100

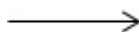
700

previous multiple of 100

300



347



next multiple of 100

400

previous multiple of 10

490



492



next multiple of 10

500

previous multiple of 10

340



347



next multiple of 10

350

If incorrect, award **ONE** mark for any three correct statements.

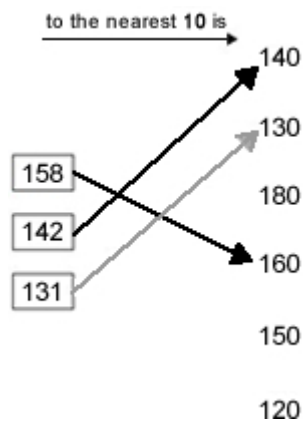
Up to 2m

[2]

7. 90

[1]

8. Arrows drawn as shown:



The arrow heads do not need to be drawn.

Do not award mark if 158 and/or 142 are joined to more than one number unless it is clear that the correct number(s) is(are) the child's final choice.

[1]

9. 583

Accept also 500, 80 and 3 written in the digit boxes.

[1]

10. 297

U1

[1]

11. Numbers written in correct boxes as shown:

Round to 10	Round to 20	Round to 30
12	17	33
		28

All three numbers must be correctly positioned for the award of the mark.
Do not award the mark if any of the numbers are written in more than one box.
 Award the mark if the child writes additional numbers, provided that 17, 12 and 28 are written in the correct boxes.

[1]

12. (a) £16

1

(b) Award **TWO** marks for the correct answer of £8

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, e.g.
 $12.50 + 19.50 = 32$
 $40 - 32 = \text{wrong answer}$

Accept: for **ONE** mark £800 **OR** £800p as evidence of appropriate working.
 Working must be carried through to reach an answer for the award of **ONE** mark.

Up to 2

[3]

13. (a) 2

Accept multiplication restated, eg

- $\times 2$

1

Indicates that the two products should be added together, eg

- Sum them
- $870 + 348$
- Add
- +

! Attempt to evaluate $870 + 348$
 Ignore even if there are errors

1

(b) 1392

2

or Shows a complete correct method with not more than one computational error, eg

- 2×696
- $870 + 522$
- $1218 + 2 \times 87$

- $$\begin{array}{r} 87 \\ \underline{16} \\ 870 \\ 522 \\ \underline{\quad} \\ 1292 \text{ (error)} \end{array}$$

- | | | |
|----|-----|------------|
| | 80 | 7 |
| 10 | 800 | 70 |
| 6 | 480 | 48 (error) |

$800 + 480 + 70 + 48 = 1398$

Do not accept conceptual error, eg

- $$\begin{array}{r} 87 \\ \underline{16} \\ 87 \\ \underline{522} \\ 609 \end{array}$$

1

[4]

14.

Indicates that the amount was rounded to the nearest hundred pounds, eg

- Hundred
- 100

! Units repeated, eg

- £100

Condone

Do not accept ambiguous spelling, eg

- Hundredth
- Hundreth

15.

0.03 0.07 0.33 0.4 0.23

Accept unambiguous alternatives, eg the number crossed or underlined.

[1]

[1]

16.

Award **TWO** marks for three boxes completed correctly as shown:

	Rounded to the nearest hundred
70,906	70,900
7,090.6	7,100
709.06	700

If the answer is incorrect, award **ONE** mark for two boxes correct.

Up to 2

[2]

17.

Award **TWO** marks for all values correct as shown:

Number	Rounded to the nearest whole number
7.05	7
7.55	8
6.45	6
6.54	7

If the answer is incorrect, award **ONE** mark for three numbers correctly rounded.

Up to 2

[2]

18.

Award **TWO** marks for three boxes completed correctly as shown:

to the nearest 10	62,160
to the nearest 100	62,200
to the nearest 1,000	62,000

If the answer is incorrect, award **ONE** mark for two boxes completed correctly.

Up to 2m

[2]

19.

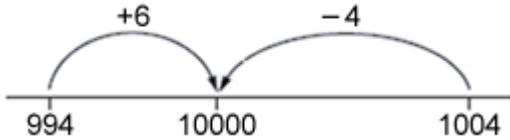
375

[1]

20.

1004 circled, and an explanation that it is closer in value than 994 to 1000, eg:

- '1004 is 4 more than 1000, but 994 is 6 less'
- ' $1004 - 1000 = 4$, $1000 - 994 = 6$ '
- 'It's closer by 2'



- 'Both end in 4 which means to the nearest ten they round down. So 1004 rounds down to 1000, but 994 rounds down to 990'
- '994 is nearer 990, but 1004 is nearer 1000'
- '1004 is only 4 away'.

No mark is awarded for circling 1004 alone.

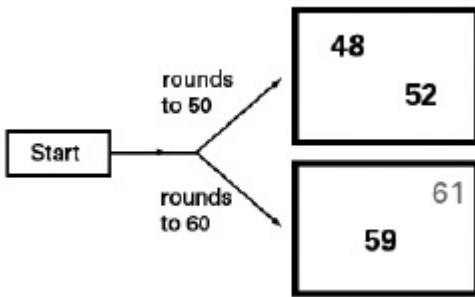
Do not accept vague or incomplete explanations, eg:

- '994 is further away'
- If 1004 is not circled, but a correct, unambiguous explanation is given, then award the mark.

[1]

21.

Sorting diagram completed as shown:



All three numbers must be correct for the award of the mark.

Disregard any additional numbers written on the diagram.

[1]

22.

300

[1]