

Miss Robinson's
Maths Group
Holiday
Homework

Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.

The aim of the homework is to revise the units we have covered so far this half term. There are:

- Place value
- Addition
- Subtraction
- Multiplication
- Division

These are used in arithmetic and in word problems.

Monday

LI: to know the value of each numerical place

Write the value of the 4 in each number

a) 4 025 →

b) 96 042 →

c) 41 370 →

d) 943 257 →

e) 433 015 →

f) 4 957 361 →

g) 52.04 →

How much larger is the red digit than the blue digit?

Example: 157 647 \longrightarrow 1000 times larger

a) 651 715

b) 602 413.2

c) 4 257 403

d) 6 580 615

e) 9 659 471

Round the following numbers to the nearest 1000

10 574

45 607

21 354

8 507

87 168

95 627

Dora is thinking of a 6-digit number.

- It is an odd number.
- The smallest digit has the greatest value.
- The greatest digit has the smallest value.
- The first and last digit add up to 10
- The first three digits also add up to 10
- The last three digits add up to 20
- The two middle digits are the same.

What could Dora's number be?

Tuesday

We have been working on longer multiplication.

Think about the steps we have taken to complete these.

Example: $6\,325 \times 49 =$

Step 1 - estimate the answer using rounding. $6\,000 \times 50 = 300\,000$

Step 2 – set you question out and label the partitions

$$\begin{array}{r} 6\,325 \\ \hline \times 49 \\ \hline \end{array}$$

$$(6\,325 \times 9) \quad \rightarrow$$

$$\begin{array}{r} \hline (6\,325 \times 40) \\ \hline \end{array}$$

what do all multiples of 40 end with?

Step 3 – is your answer relatively close to your estimate?

LI: To be able to use longer multiplication methods with accuracy

Complete the following using the method shown:

1) $23\,541 \times 16 =$

2) $9\,701 \times 24 =$

3) $12\,087 \times 19 =$

4) $45\,365 \times 22 =$

1

A car park has 230 rows of 17 spaces.
There are 1,250 cars already parked.
How many empty spaces are there?

2

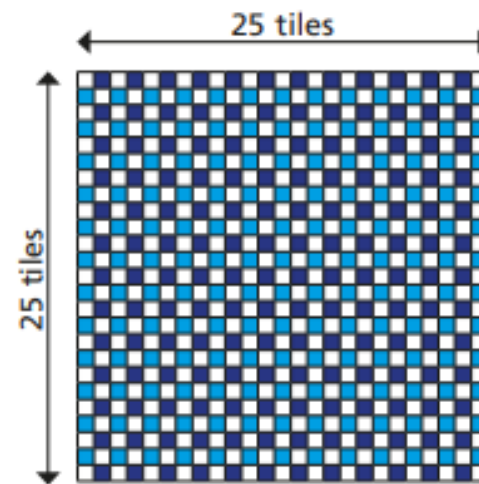
Using the digit cards, what is the greatest 3-digit by 2-digit product you can make that is also an odd number?

3

Rosie does 37 sit-ups every day for a year.
Annie does 370 sit-ups every day in July.
Who does more sit-ups and by how many?

4

Mr Smith has tiled his kitchen floor.



Each tile costs 18p.

How much does it cost to tile the floor?

Wednesday

This week we have been working on longer division.
Think about the steps we have taken to complete these.

Example: $3\ 564 \div 12 =$

$$\begin{array}{r} 0297 \\ 12 \overline{) 3564} \end{array}$$

$$\begin{array}{r} 0297 \\ 12 \overline{) 3564} \\ - \underline{24} \quad \downarrow \quad (2 \times 12) \\ 116 \\ - \underline{108} \quad \downarrow \quad (9 \times 12) \\ 84 \\ - \underline{84} \quad (7 \times 12) \\ 0 \end{array}$$

1

Bags of crisps are put into multipacks of 6
The multipacks are then packed into boxes of 8
Yesterday, 6,500 bags of crisps were packed.
How many boxes of crisps were packed?

2

7,816

7,861

6,781

1,786

I know that if I divide
these numbers by 5 the
remainder will be 1



Is Eva correct?
How do you know?

3

There are 459 children in a school.
They are sitting at tables in groups of 7



We will need
65 tables.

Do you agree with Mo?
Explain your answer.

Thursday

Just a short activity today

Remember what we've done in class.

$$70 \times 4 = 280 \text{ so}$$

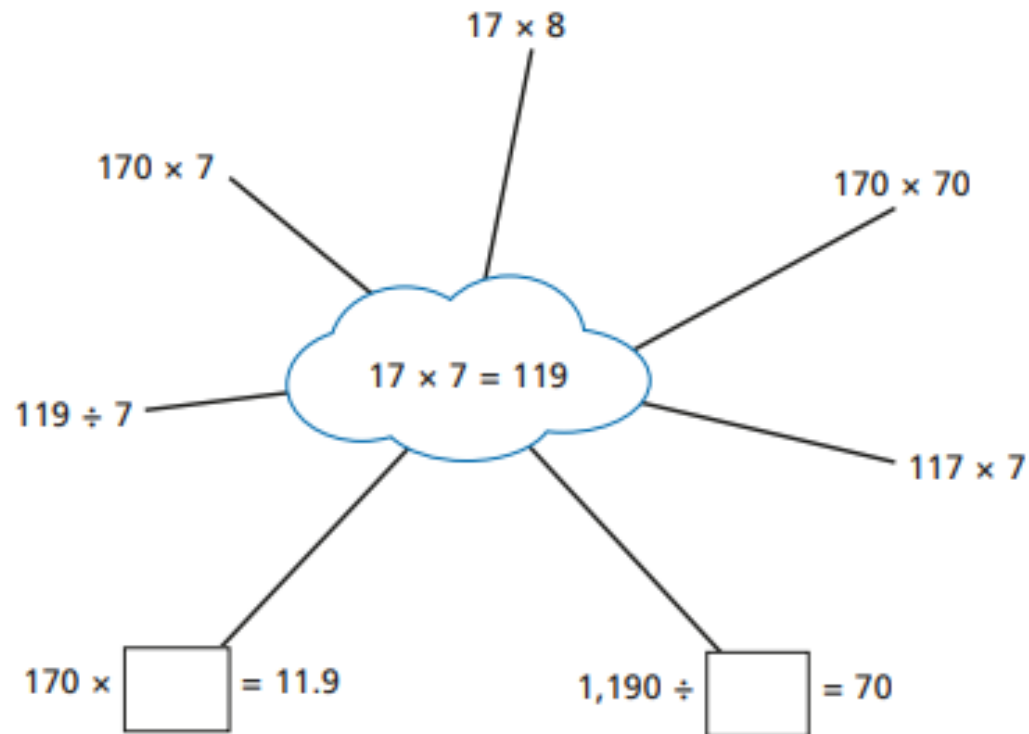
$$70 \times 40 = 2800$$

$$70 \times 0.4 = 28$$

$$700 \times 4 = 2800$$

And so on

Use the central calculation to complete the related facts.



Have a lovely half term break.
Remember to rest and recharge
ready for the next half term ahead.

Have a lovely week!