<u>IAL: to divide 4-digits by 1-digit.</u>

Choose A, B or C and complete the problems. If you would like to complete more than one group, you can.

A

Solve these division calculations.

$$4\overline{)4892^1}$$
$$1223$$

3438 ÷ 3 =

6462 ÷ 3 =

9660 ÷ 4 =

5064 ÷ 2 =

4116 ÷ 4 =

8300 ÷ 4 =

B

Use < , > or = to compare the statements.

3495 ÷ 5 ◯ 3495 ÷ 3

8064 ÷ 7 ◯ 9198 ÷ 9

7428 ÷ 4 ◯ 5685 ÷ 5

C

Mr Porter has saved £8937.

He shares it between his three grandchildren.

How much money does each grandchild receive?

Sam is working out 2240 divided by 7.

He says you can't do it because 7 is larger than all of the digits in the number.

Do you agree with Sam?

Explain your answer.

Website to support your learning

https://www.bbc.co.uk/bitesize/topics/z36tyrd/articles/zgxdfcw

IAL: to divide with remainders.

Choose A, B or C and complete the problems. If you would like to complete more than one group, you can.

A

Show these division calculations.

$4088 \div 3 =$

$8848 \div 6 =$

$$\begin{array}{r} 1223 \\ 4\overline{)4894} \text{ r2} \end{array}$$

$8531 \div 4 =$

$9560 \div 3 =$

B

Solve this problem.

Muffins are packed in trays of 6 in a factory.
In one day the factory makes 5623 muffins.

How many trays do they need per day? _____

How many full trays do they have at the end of the day? _____

C

I am thinking of a three-digit number.

- When it is divided by 9, the remainder is 3.
- When it is divided by 2, the remainder is 1.
- When it is divided by 5, the remainder is 4.

What is my number?

Can you find three possible numbers?

IAL: to investigate division calculations.

Solve this problem.

$$\blacksquare\blacksquare \div \blacksquare = \blacksquare \text{ remainder } \blacksquare$$

Using the digits 0-9, how many calculations can you make?