

11.02.21

LO: I can apply my division knowledge to problem solving questions.

- 1 Circle the numbers that have no remainder when dividing by 5.

26 300 95 153 6045

Explain how you made your choices: _____

- 2 Circle the numbers that have no remainder when dividing by 2.

1252 390 77 1001 788

Explain how you made your choices: _____

- 3 Show that there is no remainder when 756 is divided by 4:

- 4 Use this rule to circle all of the divisions that have no remainder:

A number divides exactly by 4 if the last two digits of the number divide exactly by 4.

$$516 \div 4 = \quad 1748 \div 4 = \quad 938 \div 4 = \quad ?04 \div 4 =$$

- 5 Can you ever have a remainder that is higher than 8 when you divide by a 1-digit number? Explain why or why not.

6

I think there are exactly 52 weeks in a year.

Max



There are 365 days in a (non-leap) year and 7 days in a week...

Show whether or not Max is correct.

8

A shelf is 2,050 mm long. 9 boxes are placed on the shelf.



How wide is one box?

Blank box for writing the answer.

One box is mm wide.

7

Some stickers are shared out between 5 children.

Each child gets 32 stickers and there are 3 stickers left over.

a) How many stickers were shared out altogether?

Blank box for writing the answer.

stickers were shared out altogether.

b) Another child joins the group, so the stickers are collected up and now shared between the 6 children.

How many stickers does each child get now? How many stickers are left over?

Blank box for writing the answer.

Each child gets stickers. There are stickers left over.

9

A 5 litre bottle of water is shared between these glasses.



416ml of water is poured into each tall glass.

The rest of the water is shared equally between the short glasses.

How much water is in each short glass?