

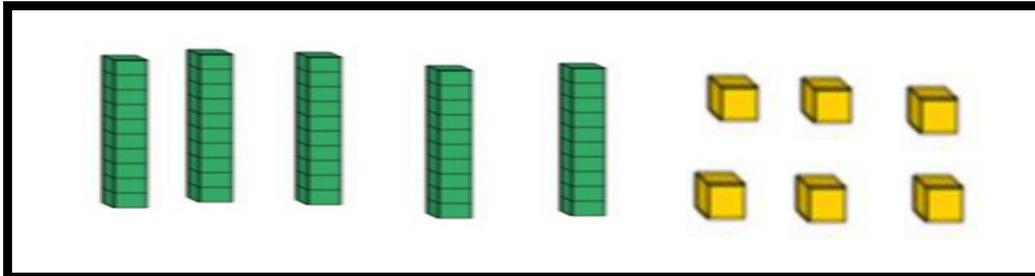
02.02.2021

LO: I can divide a 2-digit number by a 1-digit number (2).



Rosie has 56 pencils.

a) Draw base 10 to represent the pencils.

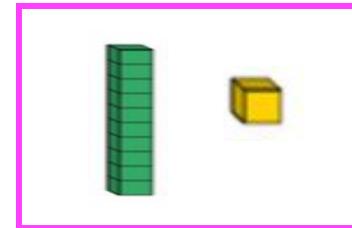


Rosie shares the 56 pencils equally between 4 pots.

b) Draw base 10 on the place value grid to share the pencils.

Tens	Ones
	
	
	
	

If you are working on Teams, copy and paste the sticks and bricks from the pink box below into the black box on the left.



Copy and paste the sticks and bricks into the place value grid- you will need to make them a little bit smaller!

c) How many pencils are in each pot?

14

d) Did you have to make an exchange?

After sharing out the tens, there was 1 ten left over so it was exchanged for 10 ones, meaning there were 16 ones to share out.

2

Eva has these place value counters

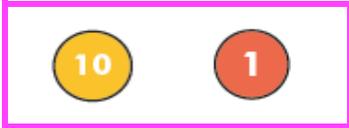


She wants to share the counters equally between 3 people.

a) Use the place value chart to show how Eva can share the counters.

Tens	Ones
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1

If you are working on Teams, copy and paste the counters from the pink box below onto the place value grid.



You may need to exchange a 10s counter for ten 1s!

b) How many counters does each person get?

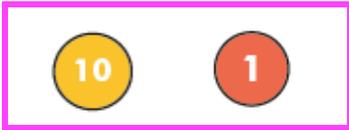
14

3 Divide 72 by 3

Tens	Ones

Use the place value counters to help you.

If you are working on Teams, copy and paste the counters from the pink box below onto the place value grid.



You may need to exchange a 10s counter for ten 1s!

$$72 \div 3 = \mathbf{24}$$

4 Use base 10 or counters to work out the divisions.

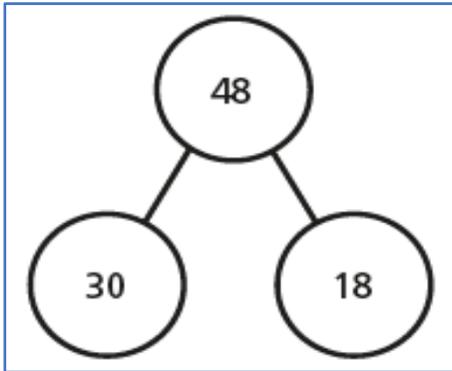
You may find it easier to do your workings out on a piece of paper (drawing a place value grid or the part whole model) then type just your answer into the spreadsheet.

a)	45	÷	3	=	15
b)	57	÷	3	=	19
c)	92	÷	4	=	23

5

Use the part-whole models to complete the divisions.

a) $48 \div 3 =$

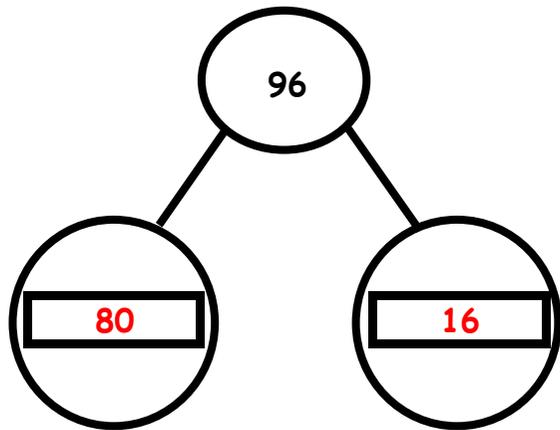


$30 \div 3 =$

$18 \div 3 =$

$48 \div 3 =$

b) $96 \div 4 =$



Think about which numbers divide easily by 4!

$\div 4 =$

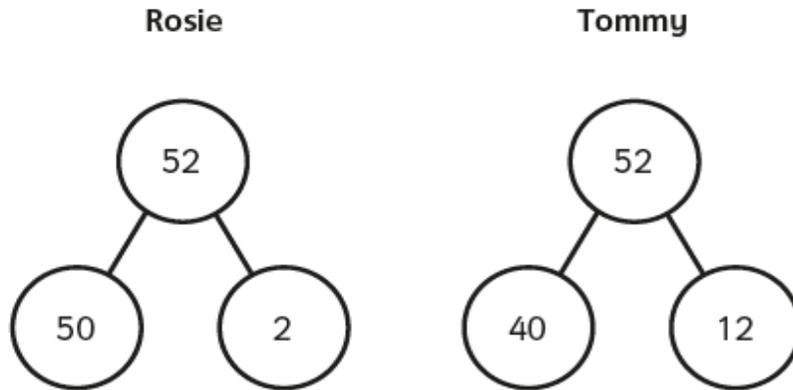
$\div 4 =$

$\div 4 =$

6

Rosie and Tommy are working out $52 \div 4$

They both use a part-whole model.



a) Whose part-whole model will help them with the division?

Tommy

How do you know?

Because 40 and 12 can both be easily divided by 4 (they are in the 4 times tables).

b) Use a part-whole model to work out $52 \div 4$

$$52 \div 4 = 13$$

7 Here are 3 divisions.

$$96 \div 8$$

$$96 \div 4$$

$$96 \div 2$$

a) What is the same about the questions? What is different?

The number we are dividing in each question is the same. The divisor in each question is an even number.

b) Complete the divisions.

$$96 \div 8 = 12$$

$$96 \div 4 = 24$$

$$96 \div 2 = 48$$

What do you notice about these answers?

They double each time.