Divide a 2-digit number by a 1-digit number – flexible partitioning

White Rose MATHS

1 Rosie has 56 pencils.

a) Draw base 10 to show the pencils.

Rosie shares the 56 pencils equally between 4 pots.

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

Tens	Ones

c) How many pencils are there in each pot? ☐

d) Did you have to make an exchange?

2 Eva has this money.

She wants to share the money equally between 3 people.

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

Tens	Ones

b) How much money does each person get? £☐

3 Divide 72 by 3

Use the place value counters to help you.

Tens	Ones

72 ÷ 3 = ☐

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

a) 45 ÷ 3 = ☐

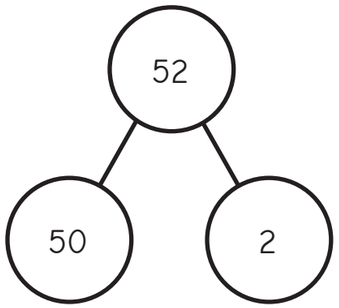
b) 57 ÷ 3 = ☐

c) 92 ÷ 4 = ☐

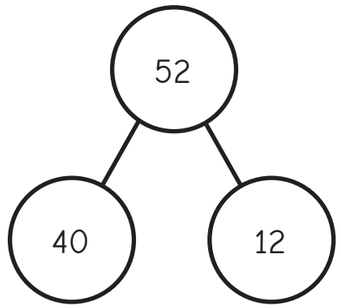
5 Rosie and Tommy are working out 52 ÷ 4

They both use a part-whole model.

Rosie



Tommy



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

_____

How do you know?

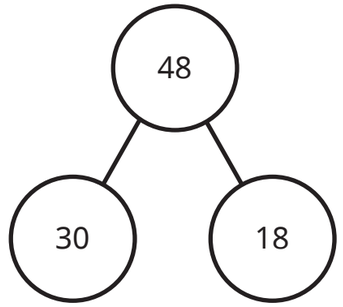
_____

_____

b) Use a part-whole model to work out 52 ÷ 4 ☐

6 Use part-whole models to complete the divisions.

a) 48 ÷ 3 = ☐

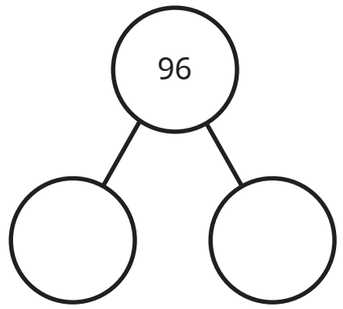


30 ÷ 3 = ☐

18 ÷ 3 = ☐

48 ÷ 3 = ☐

b) 96 ÷ 4 = ☐



c) 65 ÷ 5 = ☐

7 Here are three divisions.

96 ÷ 8	96 ÷ 4	96 ÷ 2

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

b) Complete the divisions.

96 ÷ 8 = ☐ 96 ÷ 4 = ☐ 96 ÷ 2 = ☐

What do you notice? Talk about it with a partner.

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