

INFORMATION:

Handwritten diagrams illustrating the decomposition of the number 124 into 100 and 24, and then 24 into 20 and 4, leading to the calculation $100 + 20 + 4 = 124$.

Diagram 1 (Left): A circle containing the number 124 is shown. Below it, the number 100 is written, and below that, the number 4 is written with a downward arrow. To the right of 100, the number 24 is written, and below that, the number 4 is written with a downward arrow. The final result is $100 + 20 + 4 = 124$.

Diagram 2 (Right): A circle containing the number 124 is shown. Below it, the number 100 is written, and below that, the number 20 is written. To the right of 100, the number 4 is written. The final result is $100 + 20 + 4 = 124$.

Place Value Grid

[illegible]

Challenge 1:

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 a place value grid to share the pencils.

c) How many pencils are in each pot?

d) Did you have to make an exchange?

Challenge 2:

Use base 10 or counters to work out the divisions.

a) $45 \div 3$

b) $57 \div 3$

c) $92 \div 4$

Eva has this money.



She wants to share the money equally between 3 people.

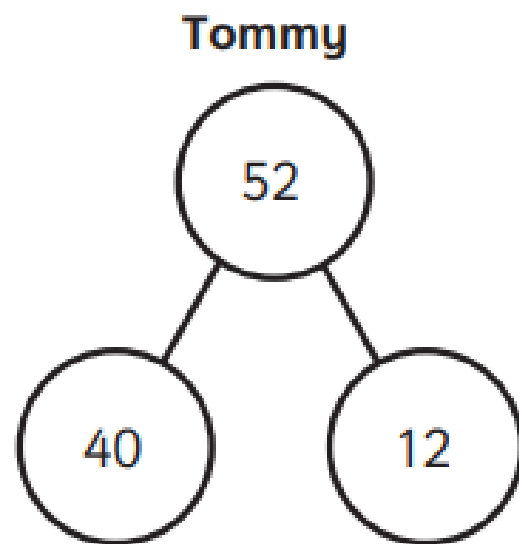
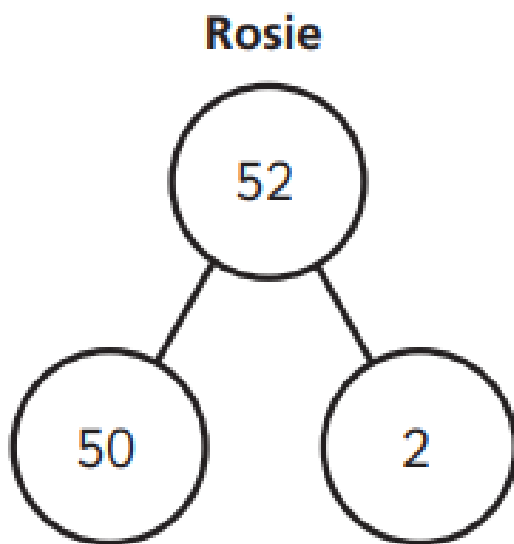
a) Use a place value chart to show how Eva can share the money.

b) How much money does each person get?

Challenge 3:

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?

How do you know?

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

Extension:

Here are 3 divisions.

$$96 \div 8$$

$$96 \div 4$$

$$96 \div 2$$

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

b) Complete the divisions.

$$96 \div 8$$

$$96 \div 4$$

$$96 \div 2$$