Steppingstone activity answers

5 Write the missing numbers.

$\frac{3}{4}$ of 20 = 15

$\frac{1}{2}$ of 20 = 10

20

$\frac{2}{4}$ of 20 = 10

$\frac{1}{4}$ of 20 = 5
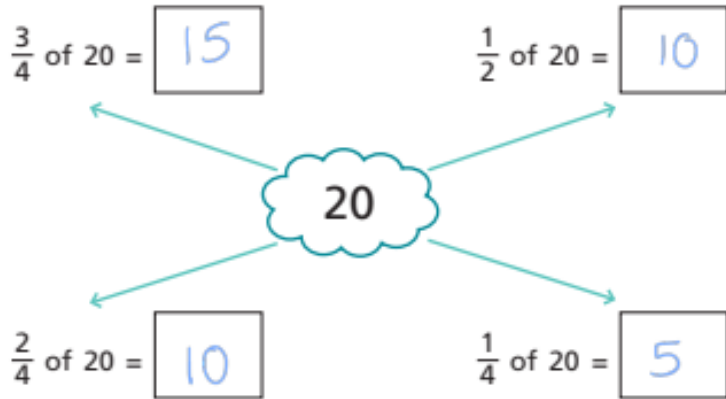
6 Solve the problems.

a) Find $\frac{2}{4}$ of £8

£ 4

b) Find $\frac{2}{4}$ of 24 kg

12 kg

How did you work out the answers?

7 Write the missing number.
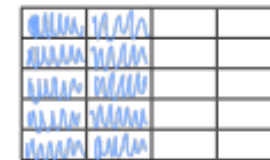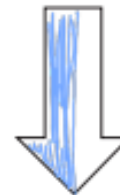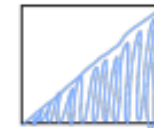
$\frac{1}{2} = \frac{2}{4}$

8 You cannot find $\frac{2}{4}$ of this shape as you cannot divide it into 4 equal parts.

a) Do you agree with Dexter? __No__

Talk about it with a partner.
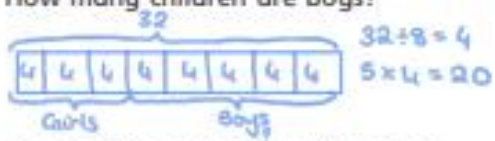
b) Colour $\frac{2}{4}$ of each shape.

Talk to a partner about how you did it.

Fractions of a set of objects (3)

1 In a class of 32 children, three eighths are girls.

How many children are boys?

$\boxed{20}$

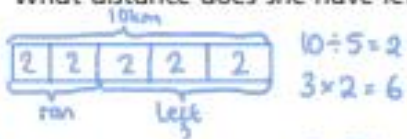$$32 \div 8 = 4$$
$$5 \times 4 = 20$$

2 Alex is taking part in a 10 km race.

$\frac{2}{5}$

10 km
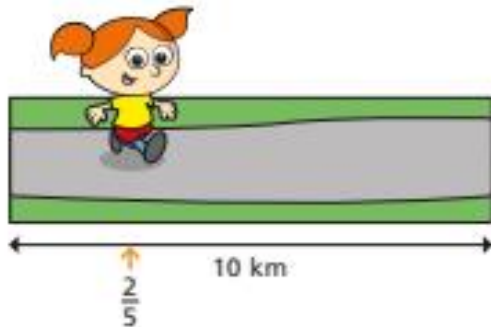
She has run two fifths of the race.

What distance does she have left to run?

$\boxed{6}$ km

$$10 \div 5 = 2$$
$$3 \times 2 = 6$$

3 Filip has £3 and 20p.

£3 and 20p

He spends half of his money.

How much does he have left?

£ $\boxed{1}$ and $\boxed{60}$ p

4 Teddy opens a bag of cherries and puts $\frac{1}{2}$ on a plate.

How many cherries were there in the whole bag?

$$2 \times 15 = 30$$

$\boxed{30}$

plate
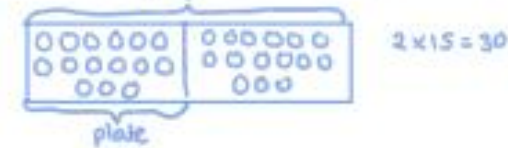
5 Ron has £4 and 50p.

He decides to share the money equally between himself and his two sisters.

How much money will each child get?

£ $\boxed{1}$ and $\boxed{50}$ p

Ron ?   sisters
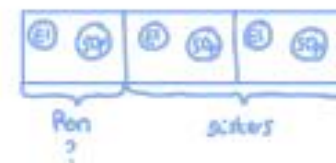
6 A bag of potatoes weighs 500 g.

Annie's dad uses one quarter of the potatoes to make a shepherd's pie.

What is the mass of the potatoes left in the bag?

500 g
Potatoes

$$500 \div 4 = 125$$
$$3 \times 125 = 375$$

$\boxed{375}$ g

7 Dexter spends one third of his money.

He has these coins left.

How much did Dexter spend?

spends
?

left
£1 and 70p

£ | O | and | 85 | p

8 Eva has a bag of 20 sweets.

20

| 5 | 5 | 5 | 5 |

$20 \div 4 = 5$
$3 \times 5 = 15$

eats   left

| 3 | 3 | 3 | 3 | 3 |

$15 \div 5 = 3$
$4 \times 3 = 12$

Dora   Left
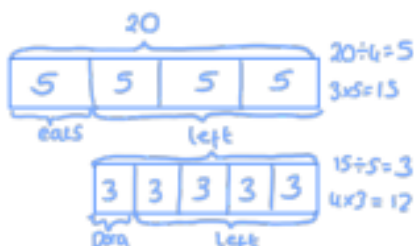
She eats $\frac{1}{4}$ of the sweets.

She gives $\frac{1}{5}$ of the sweets that are left to Dora and 2 sweets to her mum.

How many sweets does Eva have left? $12 - 2 = 10$ | 10 |

9 Whitney has a box of raisins.

She eats $\frac{1}{4}$ of the raisins and gives 3 to her brother.

She has 9 raisins left.

How many raisins were in the box at the start? | 16 |

?
box

| 4 | 4 | 4 | 4 |

$12 \div 3 = 4$
$4 \times 4 = 16$

eats   12

| 3 | 9 |

$3 + 9 = 12$

brother   Left