**1** In a class of 32 children, three eighths are girls.
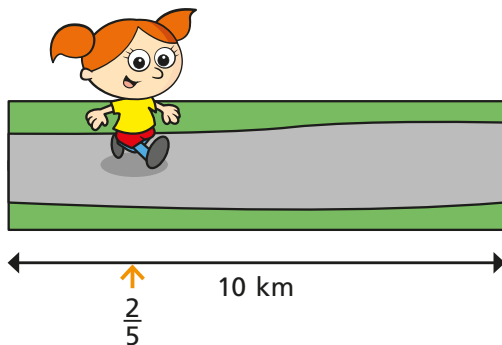
How many children are boys?

**2** Alex is taking part in a 10 km race.



10 km

$\frac{2}{5}$

She has run two fifths of the race.

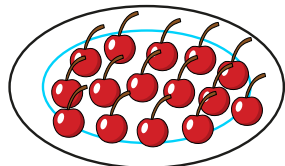What distance does she have left to run?

**3** Filip has £3 and 20p.



He spends half of his money.

How much does he have left?

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

How many cherries were there in the whole bag?



**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?

**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

**7** Dexter spends one third of his money.
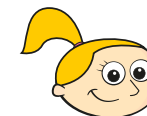
He has these coins left.



How much did Dexter spend?

**8** Eva has a bag of 20 sweets.

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?

**5** Ron has £4 and 50p.

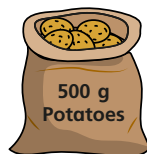He decides to share the money equally between himself and his two sisters.

How much money will each child get?

**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**

**7** Dexter spends one third of his money.
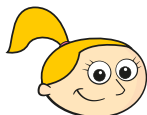
He has these coins left.

How much did Dexter spend?

**8** Eva has a bag of 20 sweets.
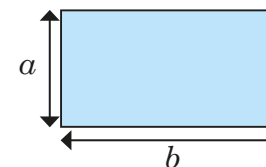
She eats $\frac{1}{4}$ of the sweets.

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?

**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?

**10** Here is a rectangle.

The perimeter of the rectangle is less than 30 cm.

Side $a$ is one half of the length of side $b$.

$a$

$b$

**a)** Complete the table to show the different possible integer lengths of side $a$ and side $b$.

| Length of side $a$ | Length of side $b$ | Perimeter |
|---|---|---|
| 1 cm | 2 cm | 6 cm |
|  |  |  |
|  |  |  |
|  |  |  |

**b)** What are the longest possible integer lengths of side $a$ and $b$?

**c)**

I think $a$ can be 5 cm.

Talk to a partner about why Dexter is wrong.