

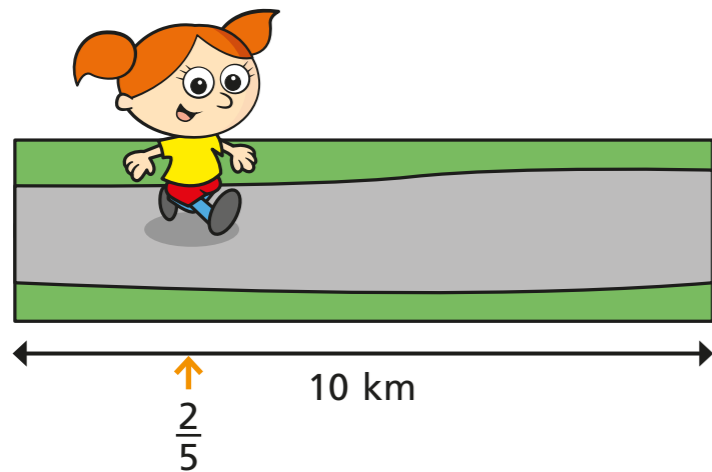
Fractions of a set of objects (3)



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

20

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



- She has run two fifths of the race.
What distance does she have left to run?

6 km

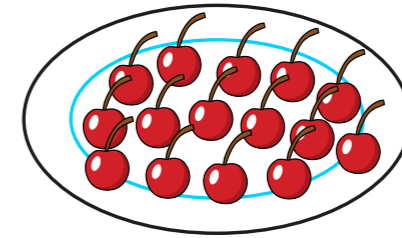
- 3 Filip has £3 and 20p.



- He spends half of his money.
How much does he have left?

£ 1 and 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?

30

- 5 Ron has £4 and 50p.

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

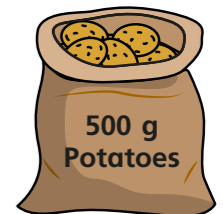


- How much money will each child get?

£ 1 and 50 p

- 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?

375 g

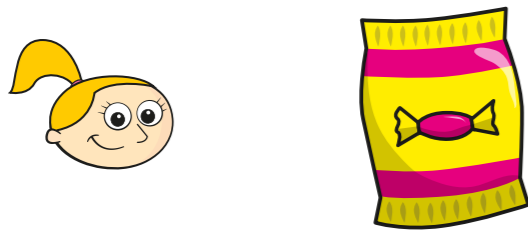
- 7 Dexter spends one third of his money.
He has these coins left.



How much did Dexter spend?

£ and p

- 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.

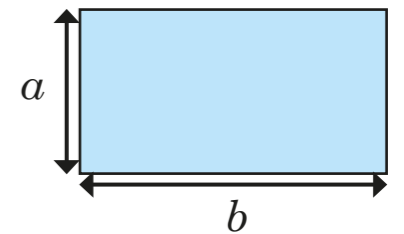
She has 9 raisins left.

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

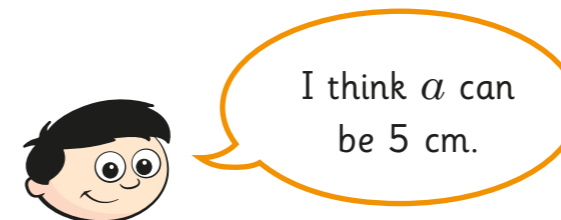
Length of side a	Length of side b	Perimeter
1 cm	2 cm	6 cm
2 cm	4 cm	12 cm
3 cm	6 cm	18 cm
4 cm	8 cm	24 cm

- b) What are the longest possible lengths of side a and b ?

side a 4 cm

side b 8 cm

- c)



Talk to a partner about why Dexter is wrong.