Mathematical Talk

How can you represent this problem?
Which parts should you shade?
What is the value of the shaded parts?
What is the value of the whole?
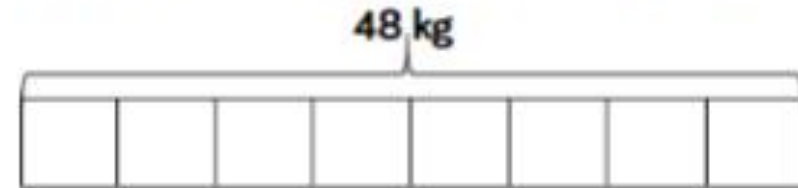How much has the value increased/decreased by?

Use this link for **BBC Bitesize** to revise your knowledge of how to find fractions of amounts
https://www.bbc.co.uk/bitesize/articles/zjhtpg8

1 The school kitchen has 48 kg of potatoes. They use $\frac{5}{8}$ to make mash potato for lunch.
How much potato do they have left?
Use the bar model to find the answer to this question.

48 kg

2 A football team has 300 tickets to give away. They give $\frac{3}{4}$ of them to a local school and give $\frac{1}{3}$ of the remainder to a local business. How many tickets are left to give to friends and family?
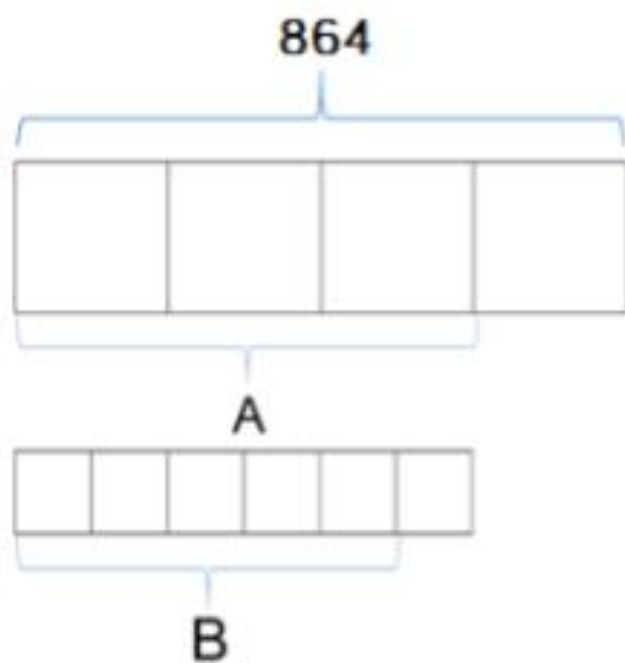
300
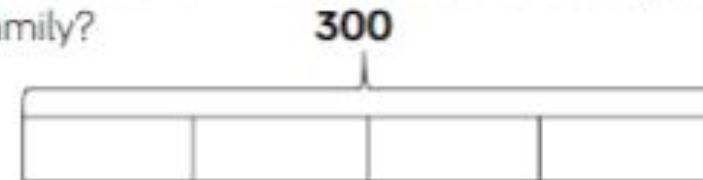
3 Complete: $\frac{3}{8}$ of 40 = $\frac{}{10}$ of 150

$\frac{1}{5}$ of 315 = $\frac{}{8}$ of 72

What is the value of A?
What is the value of B?

864

A

B

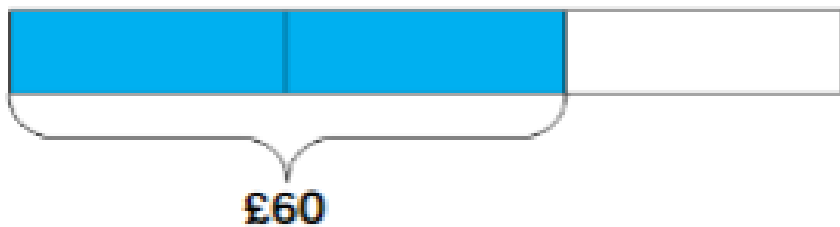Two fashion designers receive $\frac{3}{8}$ of 208 m of materials.

One of them says:

We each receive 26 m

Is she correct?
Explain your reasoning

1 Sam has spent $\frac{2}{3}$ of his money.
He spent £60, how much did he have to start with?

£60

2 Jen eats $\frac{2}{5}$ of a packet of biscuits. She eats 10.
How many in original packet?

$\frac{3}{8}$ of a town voted.
If 120 people voted, how many people lived in the town?

3 Write a problem which this bar model could represent.

Danielle lit a candle while she had a bath.

After her bath, $\frac{2}{5}$ of the candle was left.
It measured 13 cm.
Danielle says:

> Before my bath the candle measured 33 cm

Is she correct?
Explain your reasoning.