Task

$10\% = \frac{1}{10}$	$\longrightarrow \div 10 \longrightarrow$	10% of 130 =	130 ÷ 10 = 13
$25\% = \frac{1}{4}$	$\longrightarrow \div 4 \longrightarrow$	25% of 80 =	80 ÷ 4 = 20
$50\% = \frac{1}{2}$	$\longrightarrow \div 2 \longrightarrow$	50% of 210 =	210 ÷ 2 = 105
$75\% = \frac{3}{4}$	$\longrightarrow \div 4 \times 3 \longrightarrow$	75% of 60 =	60 ÷ 4 = 15 15 x 3 = 45

e.g. **A shirt costing £24 has 25% off in a sale. How much would you pay for the shirt?**
25% = £24 ÷ 4 = £6
Price you pay = £24 - 6 = £18

Task 1

1. Find the percentages of 600. The first has been modelled for you.

50%: 50% of 650= ½ of 600= 300

25%:

75%:

10%:

20%:

30%:

Task 2

1. A shirt costing £20 has 10% off in a sale. How much would you pay for the shirt?

   Answer:

2. A sofa costing £400 has 25% off in a sale. How much would you pay for the sofa?

   Answer:

3. A family meal costs £150 and your Dad leaves a 10% tip. How much does he leave?

   Answer:

4. Tim measure 120cm in height. His brother Phil is 25% shorter. How tall is Phil?

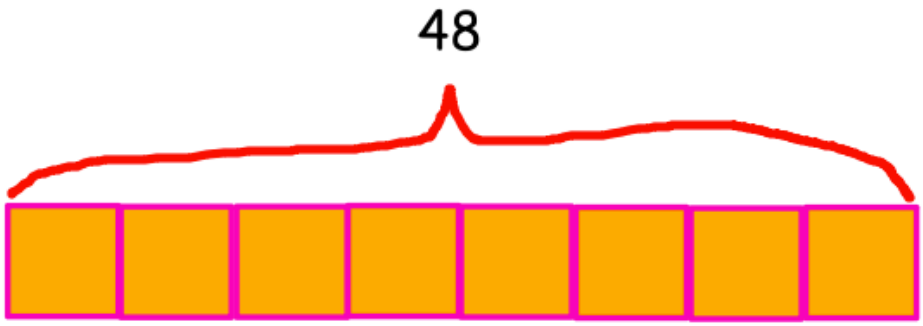
   Answer:

5. Ben and Sam have a bag containing 48 sweets. Whilst watching a film they eat 75% of the sweets. How many sweets are left?

   Answer:

Challenge

1. Write your own word problem with the bar model below:



Answer:

2. Ben is doing 2/5 of 45. Finish these two sentences to answer Ben's questions.

I know that I divide the amount by the denominator. Then, I multiply my answer by the numerator. But why do I do this? Fill in the blank space below.

We divide the amount by the denominator to find the …… We multiply the answer by the numerator to find the ……..