Skillswise

Multiplication problems - answers

1.

Step 1 **Read and understand the problem.**	You're in a successful quiz team that has taken part in 4 quizzes. The team gained a score of 75 in each quiz. What is the team's total score?
Step 2 **Work out what calculations you need to do.**	Multiply 75 by 4 to get the total score.
Step 3 **Carry out the calculations and answer the problem.**	You might find it easier to multiply 75 by 4 if you partition 75 into 50 and 25: 50 × 4 = 200 25 × 4 = 100 So 75 × 4 = 300 Total score for 4 quizzes is 300.
Step 4 **Check your answer works.**	You could divide 300 by 4 to check. You can divide by 4 by halving and halving again: Half of 300 = 150 Half of 150 = 75 The answer is correct.

2.

Step 1 **Read and understand the problem.**	You've measured the length of a wall as 3.3 metres but have been asked for the length in centimetres. What will it be?
Step 2 **Work out what calculations you need to do.**	You need to change metres to centimetres. There are 100 centimetres in a metre, so you will need to change the metres to centimetres by multiplying by 100.
Step 3 **Carry out the calculations and answer the problem.**	You might find it easier to do the conversion if you partition 3.3 m into 3 m and 30 cm. Change the metres to centimetres: 3 × 100 = 300 Add the remaining centimetres: 300 + 30 = 330 cm 3.3 m is equivalent to 330 cm.
Step 4 **Check your answer works.**	You could try a different method for changing 3.3 m to cm. You can convert m to cm by multiplying by 100: 3.3 × 100 = 330 cm. The answer is correct.