

Wednesday Problem Solving

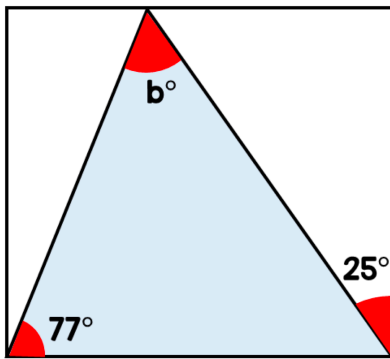
1 What are the missing digits?

$$\boxed{3} \boxed{} + \boxed{} \boxed{5} = \boxed{1} \boxed{1} \boxed{1}$$

2 Work out the missing digits.

$$\boxed{5} \times \boxed{} \times \boxed{} = 105$$

3 Find the size of angle b.



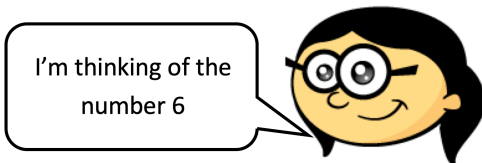
4 Marbles are put into bags of 10



- 67 bags of marbles are packed.
- 3 more marbles are added to each bag.

How many marbles are there in total now?

5 Annie and Ron each think of a number.



The product of their numbers is 762
Work out Ron's number.

6 A toy train costs three times as much as a rocket.



The total cost of the train and rocket is £52

How much does the train cost?

7 The table shows the ages of people in a theme park.

Age	Number of people
Under 18	126
18 - 60	195
Over 60	38

These are the entry costs.

How much money did the theme park make from entry costs?



8 Given that

$$\triangle + \triangle + \star + \star = 100$$

$$\heartsuit + \heartsuit + \triangle + \star = 78$$

Work out the value of the

9 What are the missing numbers?

$$\boxed{} \times 10 = 42$$

$$\boxed{} \div 10 = 42$$