

15.

Answer

Current ages:

Hermione = 11

Hermione's mother = 43

7 years ago Hermione was $11 - 7 = 4$ years old 1

Twelve times this age = $12 \times 4 = 48$ years old 1

Difference from mother's current age = $48 - 43 = 5$ years

In 5 years, Hermione will be $11 + 5 = 16$ years old

Answer: 16 years old 1

Total: 3

Method

First, subtract 7 from 11 to work out how old Hermione was 7 years ago: 4 years old.

Now, multiply 4 by 12 to find out how old her mother will be when she is twelve times that age: 48 years old.

Hermione's mother is 43 now, so take away 43 from 48 to find how long it will be before she reaches this age: 5 years.

Finally, add 5 years to Hermione's current age.

Hermione will be 16 years old when her mother is 12 times as old as Hermione was 7 years ago.

Top Tip

Questions like this can be quite intimidating when you first read them, but don't panic! Read each piece of information carefully and work through the problem step-by-step.

Write down each stage of your working – this will help you to keep track and avoid getting confused.