

Answers- make sure you’ve shown your working out!

1. There are 24 hours in a day and scientists tell us that we should sleep for 3/8 of the day. How much time should we spend sleeping?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\SHRWKX38\MC900293506[1].wmf]()

9 hours

2. The National History Museum has collected 125 dinosaurs. George has collected 3/5 of this amount. How many dinosaurs has George collected?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\AO5HSD8F\MC900383096[1].wmf]()

75 dinosaurs

3. Mr Smith is 160cm tall and his brother Tom is 7/8 as tall as him. How tall is Tom?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\SHRWKX38\MC900088888[1].wmf]()

140cm

4. The weather forecaster says that it is 200 C in London but only 7/10 as hot in New York. How hot is it in New York?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\AO5HSD8F\MC900413624[1].wmf]()

140C

5. Skateboards cost £36 each in my local store. The shopkeeper says if I buy one I can buy another for only 7/9 of the normal price. How much would a second skateboard cost?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\WIU8Y9QK\MC900389078[1].wmf]()

£28

6. Billy collected 256 conkers but lost ¾ of them on his way to school through a hole in his bag. When he arrived at school how many conkers did Billy have left?

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64

7. There are 25 pupils in the class, 3/5 of the pupils support Chelsea and the remainder support Arsenal. How many pupils support Arsenal?

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10

8. The local shop normally sells Mars bars for 40 pence. The shopkeeper says I can buy them for 1/4 less than the normal price. How much can I buy a Mars bar for?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\WIU8Y9QK\MC900215937[1].wmf]()

30pence

9. Last year, a man weighed 60 kg. This year he weighs 2/5 more. How much does he weigh this year?

![C:\Users\Sophie\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\8HNAOF2I\MC900320192[1].wmf]()

84kg

10. McDonalds sell milkshakes in two sizes. A small milkshake contains 300ml and a large milkshake contains 2/3 more.

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(i) How much does a large milkshake contain?

500ml

(ii) If Miss Bartlett drinks 2/3 of a small milkshake and Mrs Allison drinks 1/2 of a large milkshake who drinks the most?

Mrs Allison because ½ of 500ml = 250ml

And Miss Bartlett drinks 2/3 of 300ml = 200ml