



Fraction word problems

1. There are 24 hours in a day and scientists tell us that we should sleep for $\frac{3}{8}$ of the day. How much time should we spend sleeping?
2. The National History Museum has collected 125 dinosaurs. George has collected $\frac{3}{5}$ of this amount. How many dinosaurs has George collected?
3. Mr Murrin is 160cm tall and his brother Tom is $\frac{7}{8}$ as tall as him. How tall is Tom?
4. The weather forecaster says that it is 20° C in London but only $\frac{7}{10}$ as hot in New York. How hot is it in New York?
5. Skateboards cost £36 each in my local store. The shopkeeper says if I buy one I can buy another for only $\frac{7}{9}$ of the normal price. How much would a second skateboard cost?

6. Billy collected 256 conkers but lost $\frac{3}{4}$ 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?
7. There are 25 pupils in the class, $\frac{3}{5}$ of the pupils support Chelsea and the remainder support Arsenal. How many pupils support Arsenal?
8. The local shop normally sells Mars bars for 40 pence. The shopkeeper says I can buy them for $\frac{1}{4}$ less than the normal price. How much can I buy a Mars bar for?
9. Last year, Mr Murrin weighed 60 kg. This year he weighs $\frac{2}{5}$ more. How much does Mr Murrin weigh this year?
10. McDonalds sell milkshakes in two sizes. A small milkshake contains 300ml and a large milkshake contains $\frac{2}{3}$ more.
- (i) How much does a large milkshake contain?
 - (ii) If Mr Murrin drinks $\frac{2}{3}$ of a small milkshake and Miss Hoyne $\frac{1}{2}$ of a large milkshake who drinks the most?