

Fantastic Fractions!

Year 4

Maths

Week 9

LO: To solve 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 25 dinosaurs. George has collected $\frac{1}{5}$ of this amount. How many dinosaurs has George collected?



3. Mr Smith has 16 pencils. $\frac{2}{8}$ of them are broken. How many broken pencils does Mr. Smith have?



4. The weather forecaster says that it is 20C in London but only $\frac{1}{2}$ as hot in New York. How hot is it in New York?



5. Skateboards cost AED36 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 48 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 Real Madrid and the remainder support Barcelona. How many pupils support Real Madrid?



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? How much money am I saving?



9. Last year, a man weighed 60 kg. This year he weighs $\frac{2}{5}$ **more**. How much does he 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 Miss Bartlett drinks $\frac{2}{3}$ of a small milkshake and Mrs Allison drinks $\frac{1}{2}$ of a large milkshake who drinks the most?