

## Concepts

### **Multiples of simple fractions**

Children should be able to find multiples of a simple fraction of a familiar quantity such as **two fifths of 30 or three eighths of a 6 by 4 rectangle**.

Begin with shapes before moving on to numbers.

The best approach to this type of problem is to find one fifth or one eighth first and then multiply by the numerator.

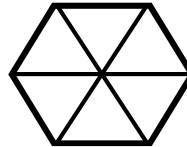
e.g. Find  $\frac{3}{10}$  of 50

$\frac{1}{10}$  of 50 is 5, therefore  $\frac{3}{10}$  of 50 is  $3 \times 5 = 15$ .

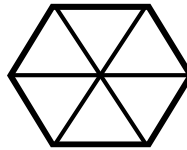
They should be able to find multiples of a simple fraction of £1 and one metre such as four fifths of a pound. This should be done by first changing the larger unit to smaller units (eg. pounds to pence or metres to centimetres).

### Finding fractions

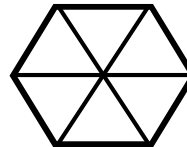
1. Colour one sixth of the biscuit.



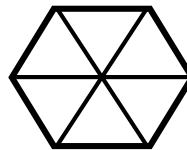
2. Colour two sixths of the biscuit.



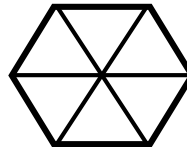
3. Colour four sixths of the biscuit.



4. Colour one third of the biscuit.



5. Colour two thirds of the biscuit.



6. What is one fifth of 20?

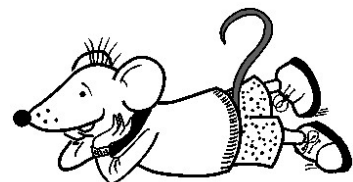
7. What is two fifths of 20?

8. What is two tenths of 20?

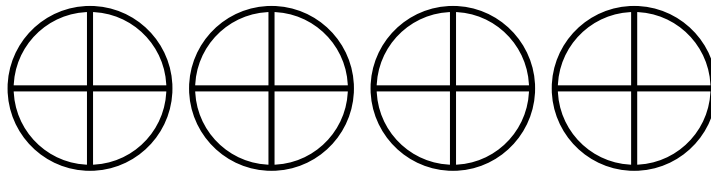
9. What is two quarters of 20?

10. What is five fifths of 20?

I'd like five fifths of  
a biscuit, please.

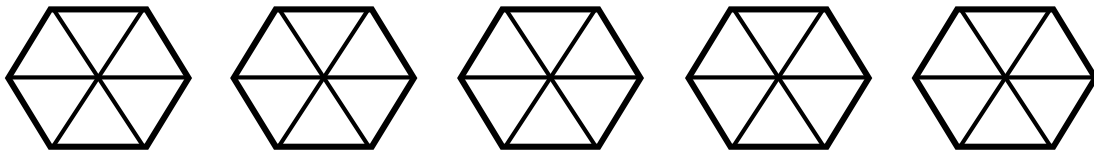


1. Here are some cakes.



Colour  $1\frac{1}{4}$  cakes.

2. Here are some hexagonal biscuits.

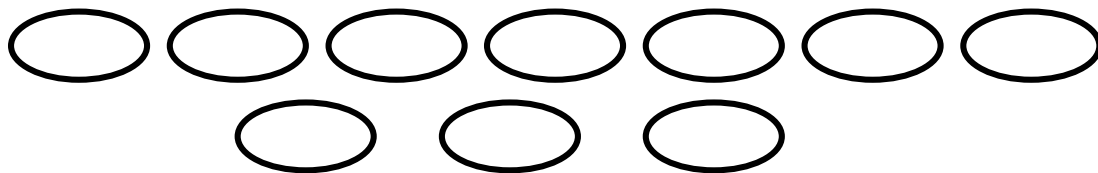


Colour  $2\frac{2}{3}$  of the biscuits.

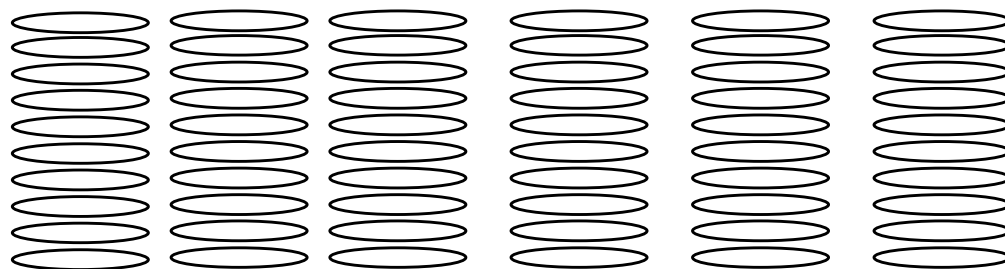
...and don't eat them, please.



3. Multy has ten biscuits and eats  $2\frac{3}{4}$  biscuits. Shade the part Multy eats.



4. Michelle has six piles of coins. Each pile has ten coins. Shade  $3\frac{2}{5}$  piles.



1. What is **one third** of these numbers?  
a) 24   b) 27   c) 60   d) 48   e) 99   f) 300   g) 660
2. What is **one fifth** of these numbers?  
a) 15   b) 30   c) 60   d) 100   e) 550   f) 125   g) 35
3. What is **one ninth** of these numbers?  
a) 18   b) 36   c) 54   d) 63   e) 900   f) 180   g) 72
4. What is **one tenth** of these numbers?  
a) 40   b) 60   c) 100   d) 180   e) 240   f) 30   g) 900
5. What is **one quarter** of these numbers?  
a) 8   b) 12   c) 60   d) 32   e) 160   f) 240   g) 100
6. a) How many pennies are there in a pound (£) ?  
b) What is **one tenth** of a pound?  
c) What is **one fifth** of a pound?  
d) What is **one hundredth** of a pound?
7. a) How many centimetres are there in a metre?  
b) What is one tenth of a metre?  
c) What is two tenths of a metre?  
d) What is three tenths of a metre?
8. a) What fraction of a pound is 75p ?  
b) What fraction of a pound is 88p ?  
c) What fraction of a metre is 90cm ?  
d) What fraction of a metre is forty five centimetres?