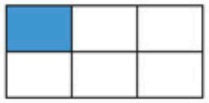
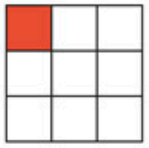
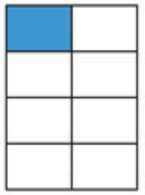
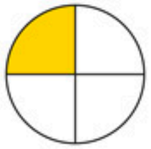
Recognising fractions

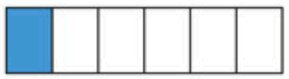
What fraction of each shape is coloured?

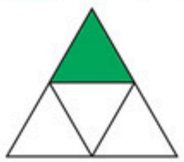
1 

2 

3 

4 

5 

6 

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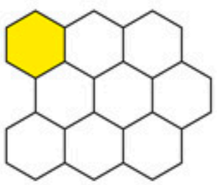
8 

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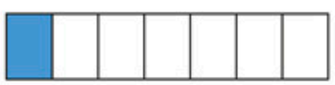
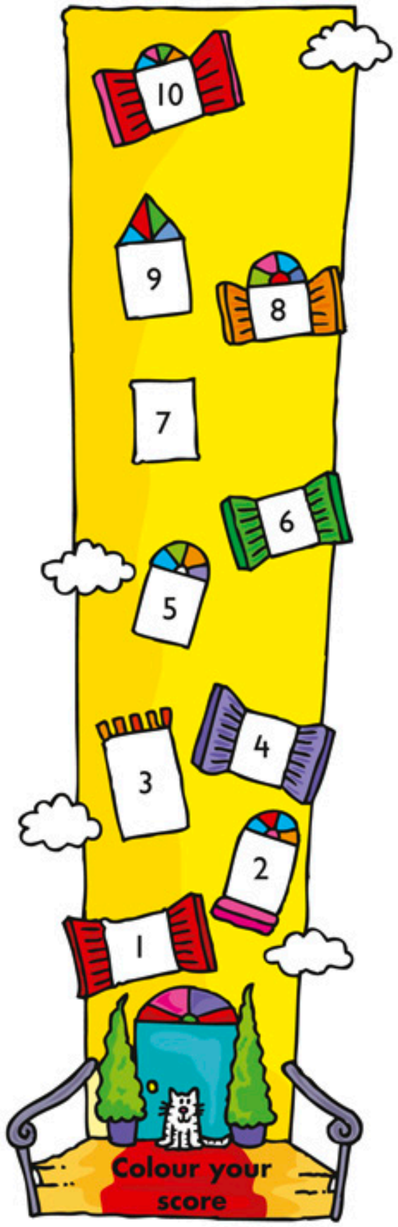
10 

The bottom number (denominator) is the total number of equal parts.



Unit fractions

Complete the number sentences.

1 $\frac{1}{3}$ of 18 = ☐

2 $\frac{1}{5}$ of 25 = ☐

3 $\frac{1}{2}$ of 28 = ☐

4 $\frac{1}{4}$ of 24 = ☐

5 $\frac{1}{10}$ of 40 = ☐

6 $\frac{1}{8}$ of 16 = ☐

7 $\frac{1}{7}$ of 35 = ☐

8 $\frac{1}{6}$ of 36 = ☐

9 $\frac{1}{9}$ of 27 = ☐

10 $\frac{1}{10}$ of 60 = ☐

11 $\frac{1}{4}$ of 32 = ☐

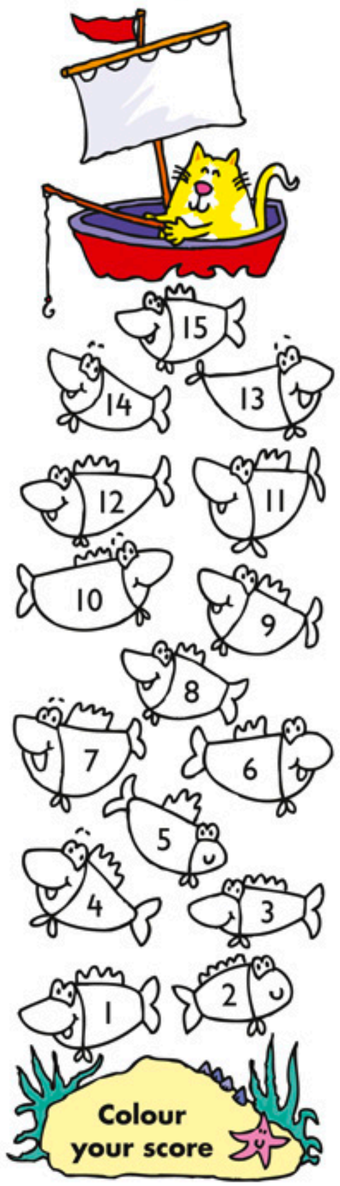
12 $\frac{1}{6}$ of 48 = ☐

13 $\frac{1}{8}$ of 32 = ☐

14 $\frac{1}{3}$ of 24 = ☐

15 $\frac{1}{5}$ of 45 = ☐

Divide the number by the denominator in the fraction.



Simplifying fractions

Use the highest common factor (HCF) to simplify each fraction.

1 $\frac{2}{4}$ → ☐

2 $\frac{3}{9}$ → ☐

3 $\frac{2}{8}$ → ☐

4 $\frac{8}{12}$ → ☐

5 $\frac{2}{10}$ → ☐

6 $\frac{4}{6}$ → ☐

7 $\frac{6}{9}$ → ☐

8 $\frac{8}{10}$ → ☐

9 $\frac{4}{12}$ → ☐

10 $\frac{9}{12}$ → ☐

11 $\frac{6}{8}$ → ☐

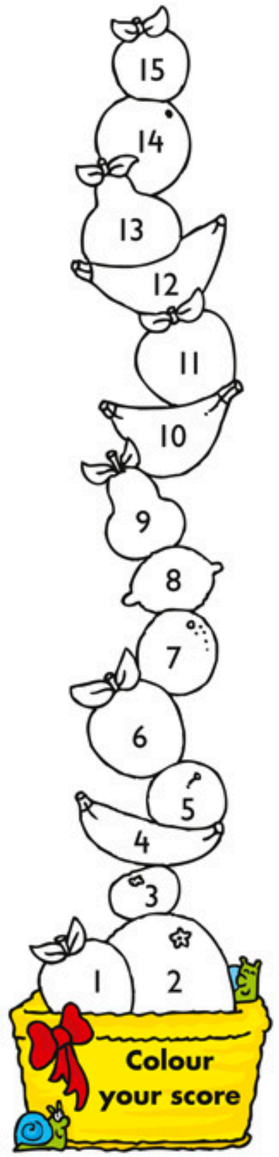
12 $\frac{4}{8}$ → ☐

13 $\frac{6}{10}$ → ☐

14 $\frac{3}{12}$ → ☐

15 $\frac{5}{10}$ → ☐

Use the highest number that both parts of the fraction can be divided by.



Equivalent fractions

Use a tick or cross to show if the fractions are equivalent.

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

6 ☐

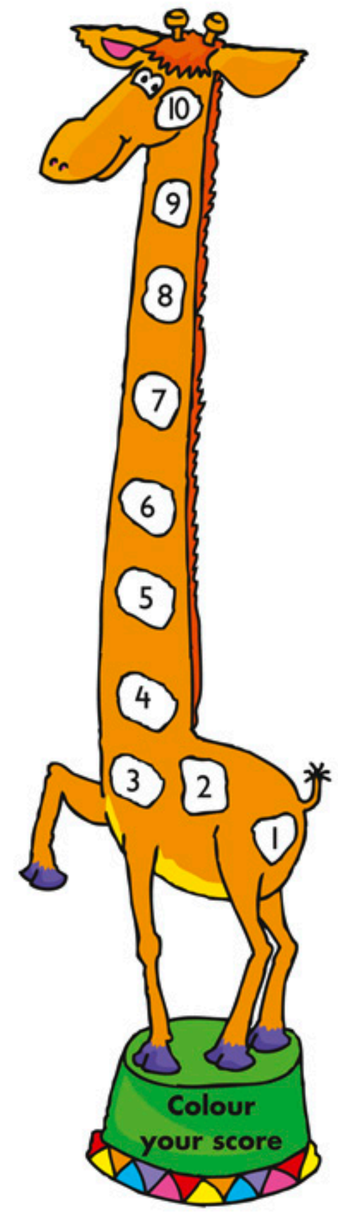
7 ☐

8 ☐

9 ☐

10 ☐

Equivalent means 'equal'.

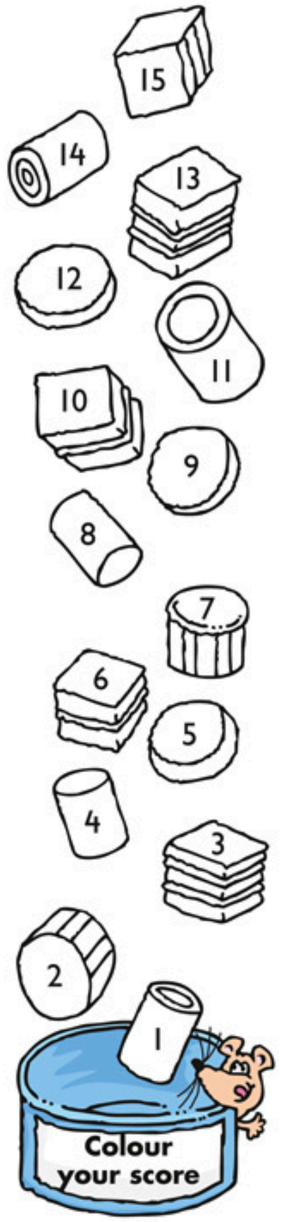


Comparing decimals

Circle the largest decimal in each pair.

Compare tenths first, then hundredths.

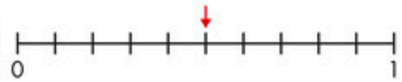
1	0.6	0.8
2	0.25	0.15
3	0.14	0.4
4	0.2	0.9
5	0.5	0.25
6	0.08	0.8
7	0.6	0.06
8	0.09	0.9
9	0.3	0.03
10	0.01	0.1
11	0.7	0.07
12	0.02	0.2
13	0.04	0.4
14	0.5	0.05
15	1.4	0.4

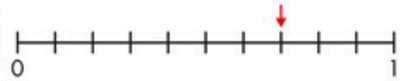


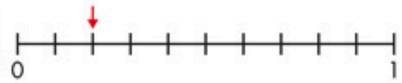
Number lines

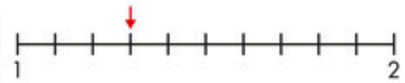
Write the decimal shown by the arrow on each number line.

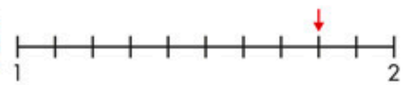
Some answers will be tenths, some hundredths.

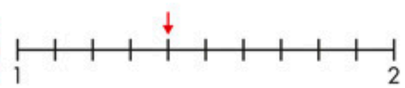
1 

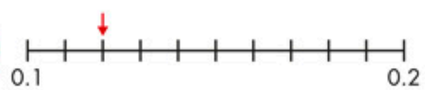
2 

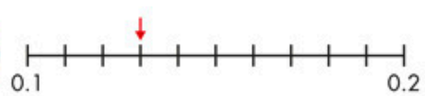
3 

4 

5 

6 

7 

8 

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