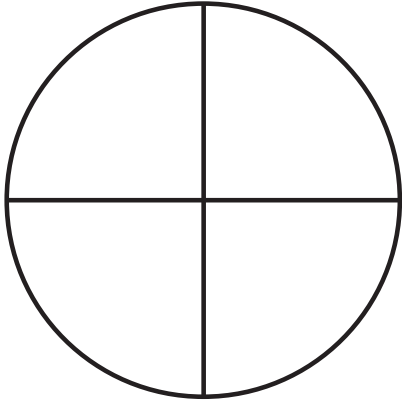
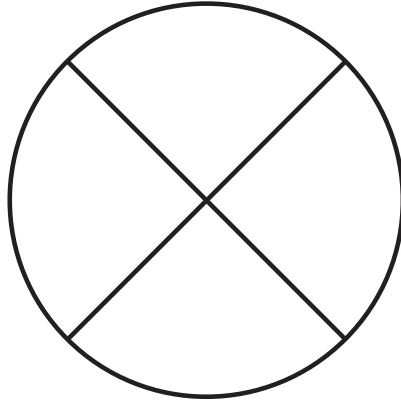


# Football-Themed Stained Glass Fractions

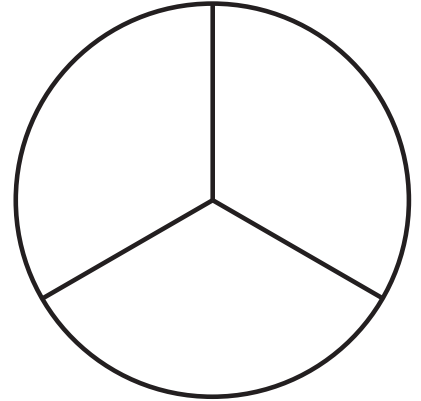
Colour the football stained-glass windows to match the fractions listed.



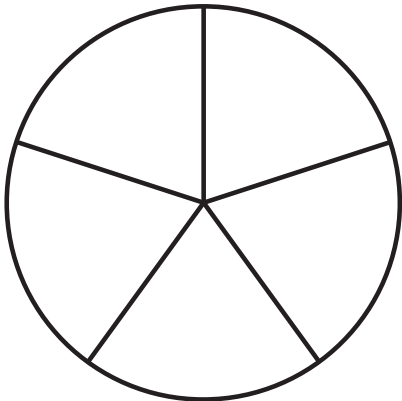
$\frac{1}{2}$  : red  
 $\frac{1}{4}$  : blue  
 $\frac{1}{4}$  : yellow



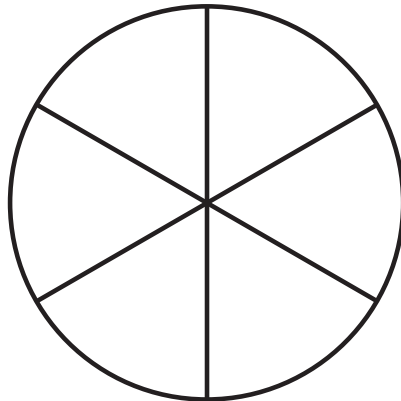
$\frac{3}{4}$  : blue  
 $\frac{1}{4}$  : yellow



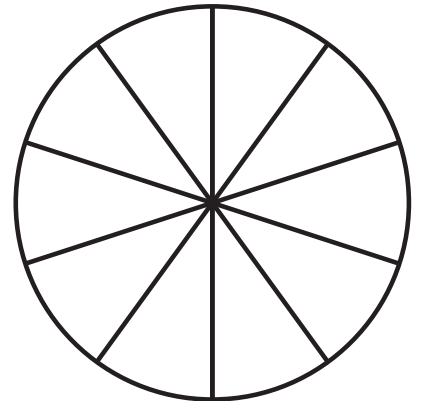
$\frac{2}{3}$  : green  
 $\frac{1}{3}$  : red



$\frac{1}{5}$  : red  
 $\frac{2}{5}$  : blue  
 $\frac{2}{5}$  : yellow



$\frac{1}{6}$  : green  
 $\frac{2}{6}$  : yellow  
 $\frac{1}{2}$  : blue



$\frac{1}{10}$  : blue  
 $\frac{1}{10}$  : yellow  
 $\frac{3}{10}$  : red  
 $\frac{1}{2}$  : green

## Challenge

Use your fraction knowledge to answer these questions:

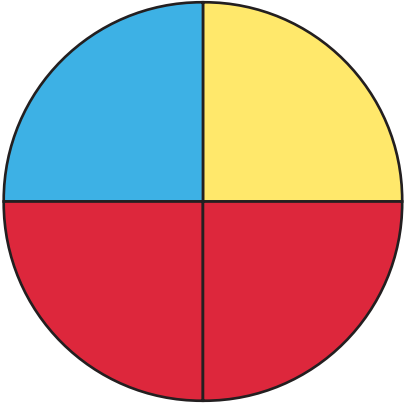
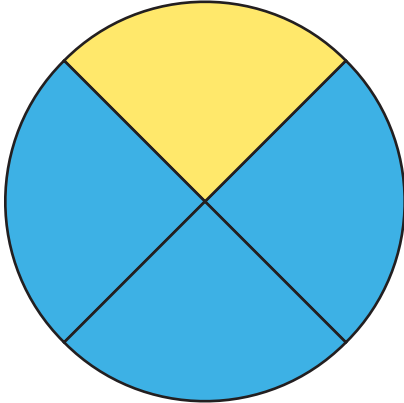
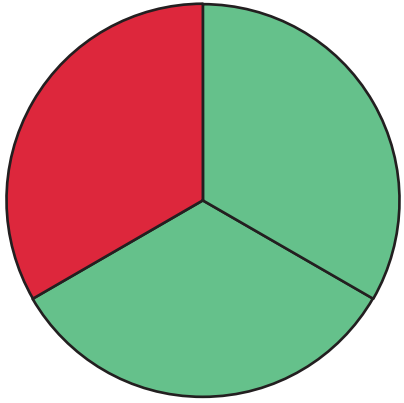
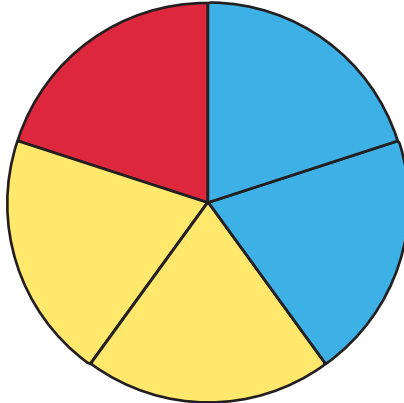
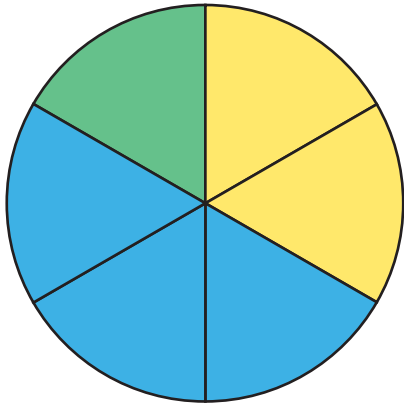
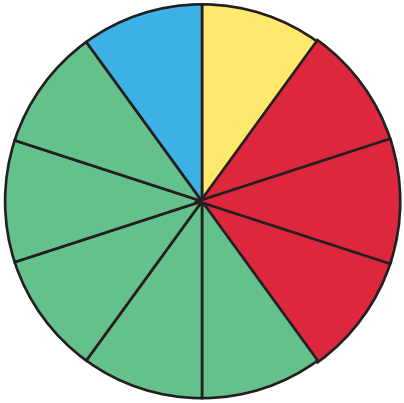
1.  $\frac{1}{2}$  of 6 =

2.  $\frac{1}{4}$  of 4 =

3.  $\frac{3}{4}$  of 8 =

# Football-Themed Stained Glass Fractions

## Answers

 <p> <math>\frac{1}{2}</math> : red (2 sections coloured)  <math>\frac{1}{4}</math> : blue (1 section coloured)  <math>\frac{1}{4}</math> : yellow (1 section coloured)         </p>	 <p> <math>\frac{3}{4}</math> : blue (3 sections coloured)  <math>\frac{1}{4}</math> : yellow (1 section coloured)         </p>	 <p> <math>\frac{2}{3}</math> : green (2 sections coloured)  <math>\frac{1}{3}</math> : red (1 section coloured)         </p>
 <p> <math>\frac{1}{5}</math> : red (1 section coloured)  <math>\frac{2}{5}</math> : blue (2 sections coloured)  <math>\frac{2}{5}</math> : yellow (2 sections coloured)         </p>	 <p> <math>\frac{1}{6}</math> : green (1 section coloured)  <math>\frac{2}{6}</math> : yellow (2 sections coloured)  <math>\frac{1}{2}</math> : blue (3 sections coloured)         </p>	 <p> <math>\frac{1}{10}</math> : blue (1 section coloured)  <math>\frac{1}{10}</math> : yellow (1 section coloured)  <math>\frac{3}{10}</math> : red (3 sections coloured)  <math>\frac{1}{2}</math> : green (5 sections coloured)         </p>

### Challenge

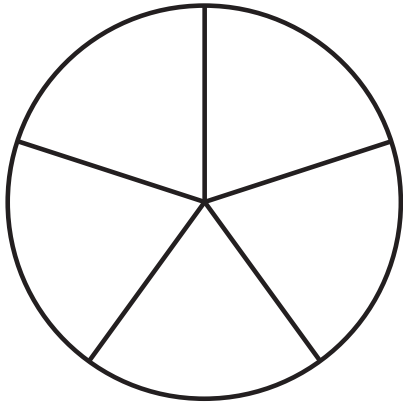
1.  $\frac{1}{2}$  of 6 = 3

2.  $\frac{1}{4}$  of 4 = 1

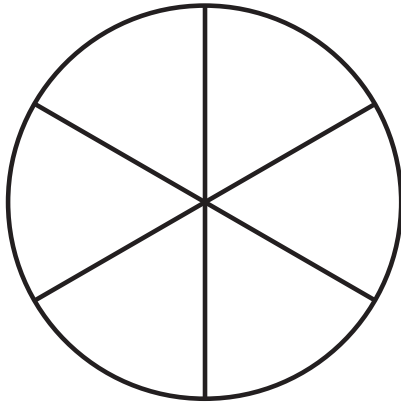
3.  $\frac{3}{4}$  of 8 = 6

# Football-Themed Stained Glass Fractions

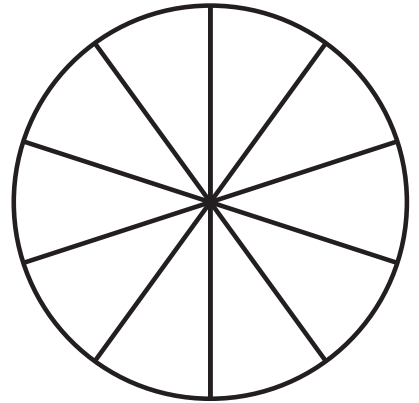
Colour the football stained-glass windows to match the fractions listed.



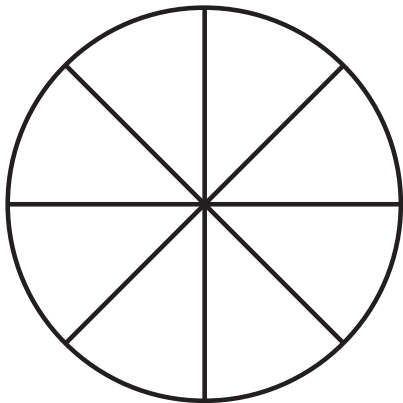
$\frac{2}{5}$  : green  
 $\frac{3}{5}$  : blue



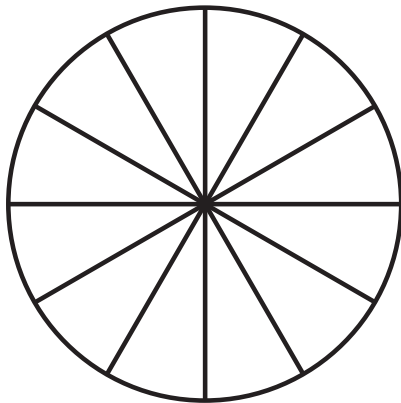
$\frac{1}{6}$  : green  
 $\frac{1}{2}$  : yellow  
 $\frac{1}{3}$  : blue



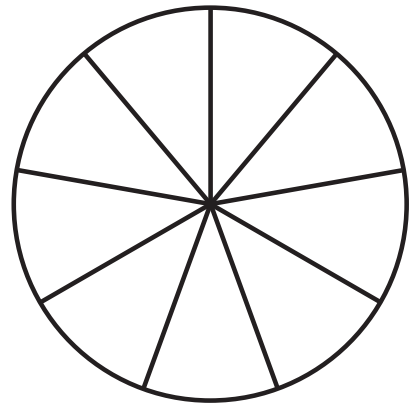
$\frac{2}{5}$  : blue  
 $\frac{1}{5}$  : yellow  
 $\frac{1}{10}$  : red  
 $\frac{3}{10}$  : green



$\frac{3}{8}$  : blue  
 $\frac{1}{4}$  : red  
 $\frac{1}{8}$  : yellow  
 $\frac{1}{4}$  : green



$\frac{1}{12}$  : yellow  
 $\frac{5}{12}$  : red  
 $\frac{1}{2}$  : green



$\frac{1}{9}$  : yellow  
 $\frac{5}{9}$  : green  
 $\frac{1}{3}$  : red

## Challenge

Use your fraction knowledge to answer these questions:

1.  $\frac{1}{2}$  of 6 =

2.  $\frac{2}{5}$  of 10 =

3.  $\frac{1}{4}$  of 8 =

4.  $\frac{1}{2}$  of 12 =

5.  $\frac{1}{3}$  of 9 =

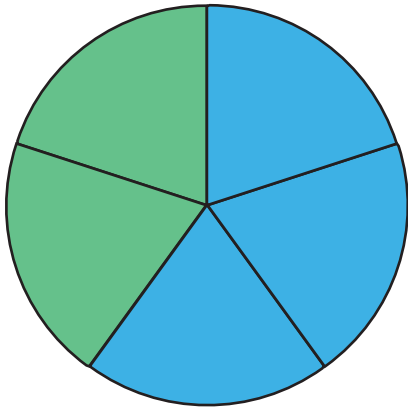
6.  $\frac{1}{3}$  of 6 =

7.  $\frac{1}{5}$  of 10 =

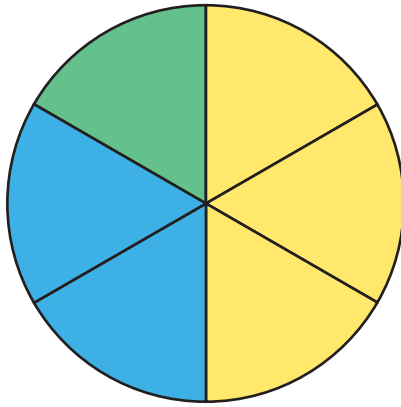
8.  $\frac{1}{2}$  of 10 =

# Football-Themed Stained Glass Fractions

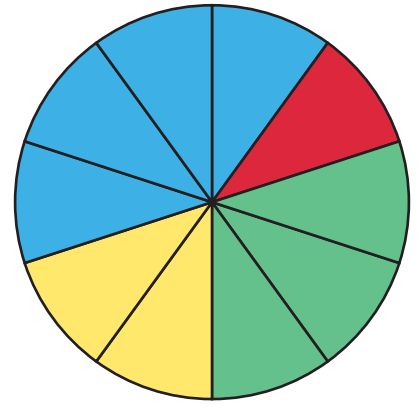
## Answers



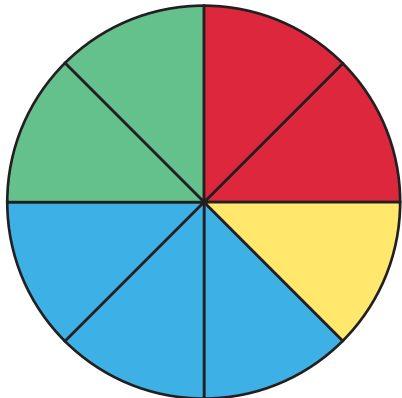
$\frac{2}{5}$  : green (2 sections coloured)  
 $\frac{3}{5}$  : blue (3 sections coloured)



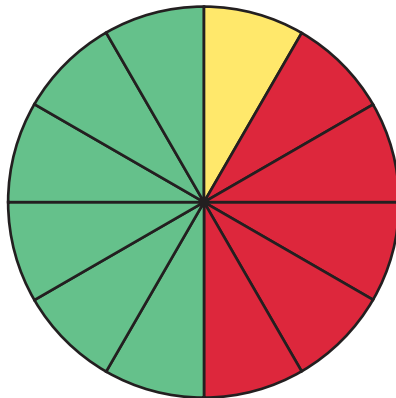
$\frac{1}{6}$  : green (1 section coloured)  
 $\frac{1}{2}$  : yellow (3 sections coloured)  
 $\frac{1}{3}$  : blue (2 sections coloured)



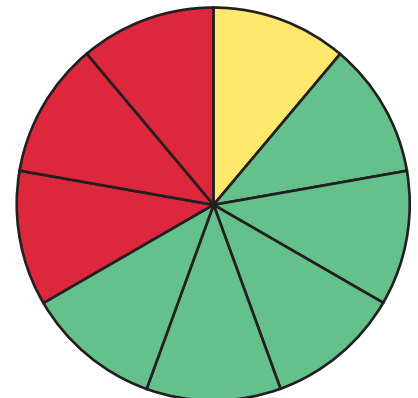
$\frac{2}{5}$  : blue (4 sections coloured)  
 $\frac{1}{5}$  : yellow (2 sections coloured)  
 $\frac{1}{10}$  : red (1 section coloured)  
 $\frac{3}{10}$  : green (3 sections coloured)



$\frac{3}{8}$  : blue (3 sections coloured)  
 $\frac{1}{4}$  : red (2 sections coloured)  
 $\frac{1}{8}$  : yellow (1 section coloured)  
 $\frac{1}{4}$  : green (2 sections coloured)



$\frac{1}{12}$  : yellow (1 section coloured)  
 $\frac{5}{12}$  : red (5 sections coloured)  
 $\frac{1}{2}$  : green (6 sections coloured)



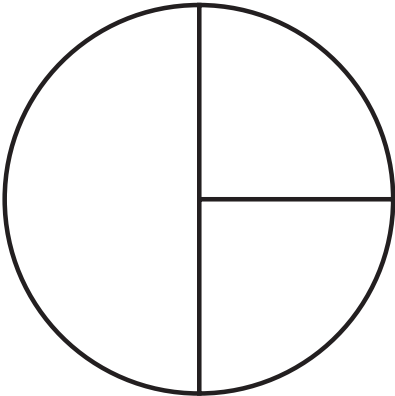
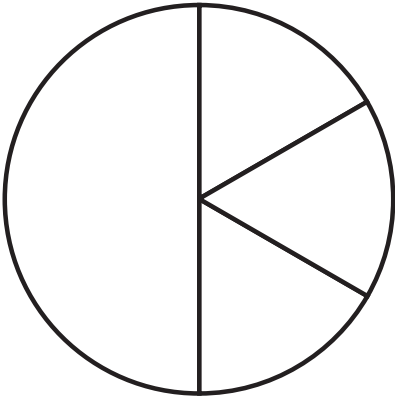
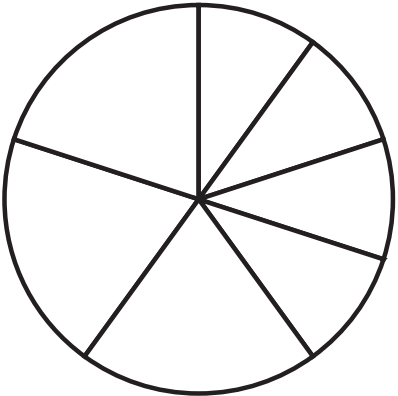
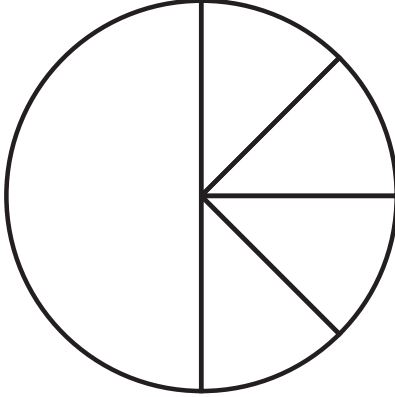
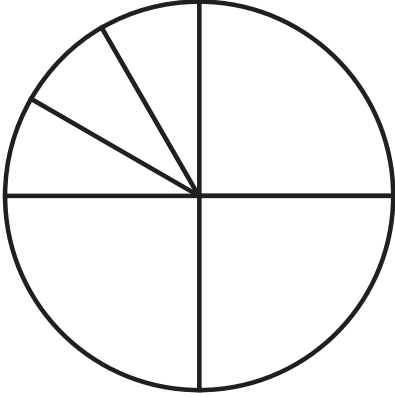
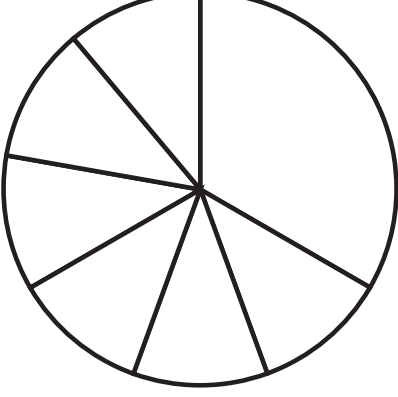
$\frac{1}{9}$  : yellow (1 section coloured)  
 $\frac{5}{9}$  : green (5 sections coloured)  
 $\frac{1}{3}$  : red (3 sections coloured)

### Challenge

1.  $\frac{1}{2}$  of 6 = 3
2.  $\frac{2}{5}$  of 10 = 4
3.  $\frac{1}{4}$  of 8 = 2
4.  $\frac{1}{2}$  of 12 = 6
5.  $\frac{1}{3}$  of 9 = 3
6.  $\frac{1}{3}$  of 6 = 2
7.  $\frac{1}{5}$  of 10 = 2
8.  $\frac{1}{2}$  of 10 = 5

# Football-Themed Stained Glass Fractions

Colour the football stained-glass windows to match the fractions listed.

 <p><math>\frac{1}{4}</math> : green <math>\frac{3}{4}</math> : blue</p>	 <p><math>\frac{3}{6}</math> : green <math>\frac{2}{6}</math> : blue <math>\frac{1}{6}</math> : yellow</p>	 <p><math>\frac{6}{10}</math> : blue <math>\frac{3}{10}</math> : yellow <math>\frac{1}{10}</math> : red</p>
 <p><math>\frac{5}{8}</math> : blue <math>\frac{1}{4}</math> : red <math>\frac{1}{8}</math> : yellow</p>	 <p><math>\frac{1}{2}</math> : yellow <math>\frac{1}{6}</math> : red <math>\frac{1}{3}</math> : green</p>	 <p><math>\frac{2}{9}</math> : yellow <math>\frac{4}{9}</math> : green <math>\frac{1}{3}</math> : red</p>

## Challenge

Use your fraction knowledge to complete these equivalent fractions:

1.  $\frac{1}{2} = \frac{\square}{6}$

2.  $\frac{1}{3} = \frac{2}{\square}$

3.  $\frac{4}{12} = \frac{\square}{6} = \frac{1}{\square}$

4.  $\frac{6}{9} = \frac{2}{\square}$

Use your fraction knowledge to answer these questions:

5.  $\frac{2}{3}$  of 30 =  $\square$

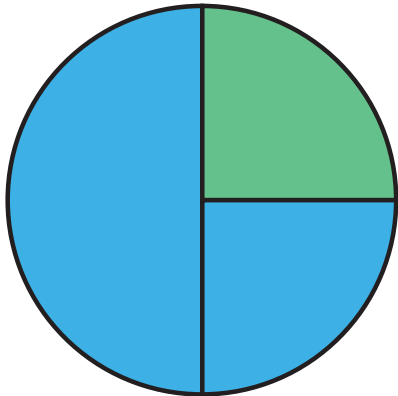
6.  $\frac{3}{4}$  of 28 =  $\square$

7.  $\frac{4}{7}$  of 35 =  $\square$

8.  $\frac{5}{6}$  of 48 =  $\square$

# Football-Themed Stained Glass Fractions

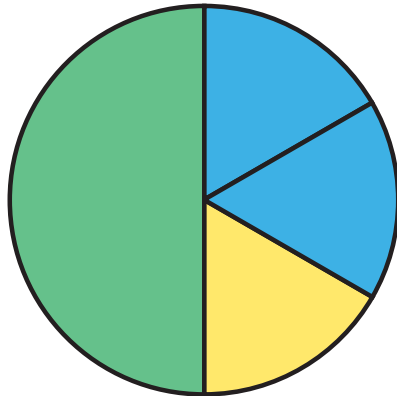
## Answers



The shape should have been equally divided into 4 sections.

$\frac{1}{4}$  : green (1 section coloured)

$\frac{3}{4}$  : blue (3 sections coloured)



The shape should have been equally divided into 6 sections.

$\frac{3}{6}$  : green (3 sections coloured)

$\frac{2}{6}$  : blue (2 sections coloured)

$\frac{1}{6}$  : yellow (1 section coloured)

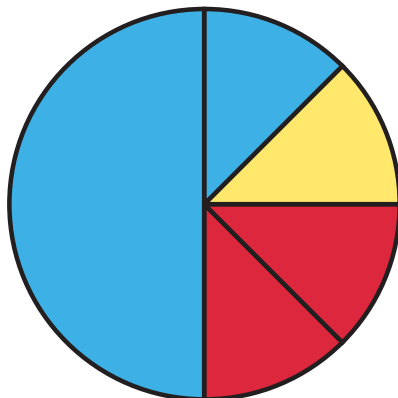


The shape should have been equally divided into 10 sections.

$\frac{6}{10}$  : blue (6 sections coloured)

$\frac{3}{10}$  : yellow (3 sections coloured)

$\frac{1}{10}$  : red (1 section coloured)

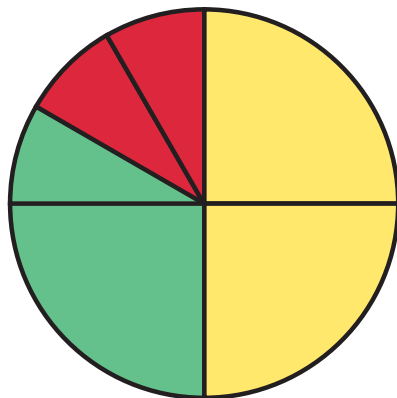


The shape should have been equally divided into 8 sections.

$\frac{5}{8}$  : blue (5 sections coloured)

$\frac{1}{4}$  : red (2 sections coloured)

$\frac{1}{8}$  : yellow (1 section coloured)

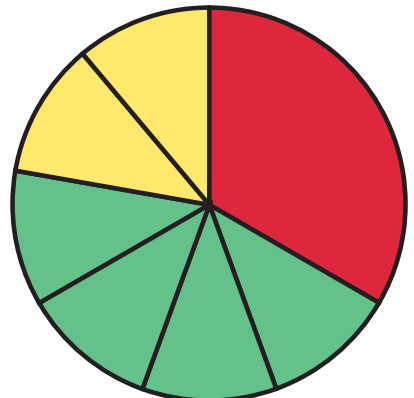


The shape should have been equally divided into 12 sections.

$\frac{1}{2}$  : yellow (6 sections coloured)

$\frac{1}{6}$  : red (2 sections coloured)

$\frac{1}{3}$  : green (4 sections coloured)



The shape should have been equally divided into 9 sections.

$\frac{2}{9}$  : yellow (2 sections coloured)

$\frac{4}{9}$  : green (4 sections coloured)

$\frac{1}{3}$  : red (3 sections coloured)

### Challenge

1.  $\frac{1}{2} = \frac{3}{6}$

2.  $\frac{1}{3} = \frac{2}{6}$

3.  $\frac{4}{12} = \frac{2}{6} = \frac{1}{3}$

4.  $\frac{6}{9} = \frac{2}{3}$

5.  $\frac{2}{3}$  of 30 = **20**

6.  $\frac{3}{4}$  of 28 = **21**

7.  $\frac{4}{7}$  of 35 = **20**

8.  $\frac{5}{6}$  of 48 = **40**