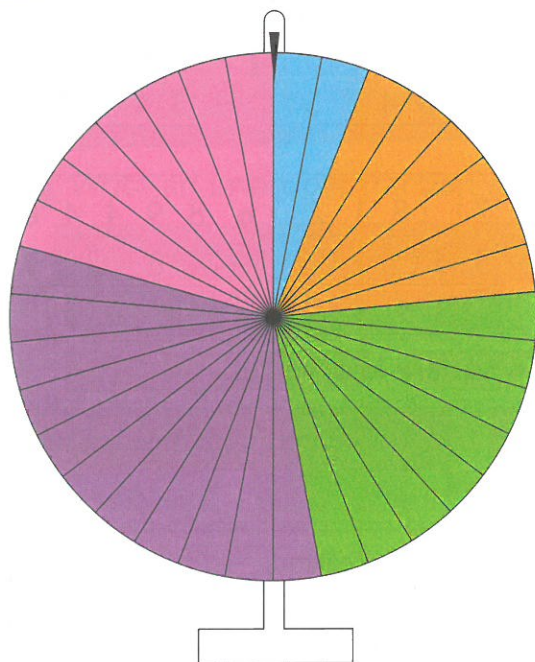


When fractions are used to describe the chance of an event happening, the total of all the fractions must equal 1.



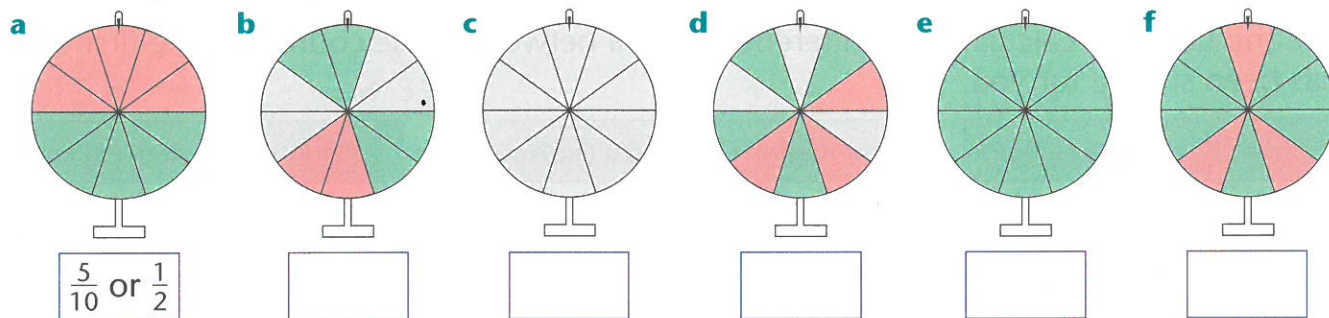
The chance of selecting a blue marble from the bag is 3 out of 5 chances ( $\frac{3}{5}$ ).



**11** Our teacher made a chocolate wheel that was divided into 34 parts. Study the picture of the chocolate wheel to state, as a fraction, the chance of each colour being spun.

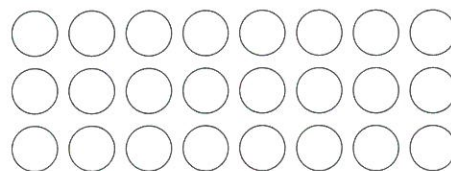
- a blue
- b green
- c orange
- d pink
- e purple
- f Are you more likely to spin pink than orange? \_\_\_\_\_
- g Are you more likely to spin an odd or even number if you spin pink? \_\_\_\_\_
- h If the colours were separated and not grouped together, would it change the likelihood of a colour being selected? \_\_\_\_\_

**12** Rate the likelihood of green being the winning colour on these chocolate wheels using fractions.



**13** Colour the balls to match the fractional chances.

- a blue  $\frac{1}{4}$
- b green  $\frac{3}{8}$
- c red  $\frac{1}{12}$
- d yellow  $\frac{1}{8}$
- e pink  $\frac{1}{6}$



**14** Describe an event to match each likelihood.

- a 0 \_\_\_\_\_
- b  $\frac{1}{10}$  \_\_\_\_\_
- c  $\frac{1}{2}$  \_\_\_\_\_
- d  $\frac{10}{10}$  \_\_\_\_\_