

### Simplifying fractions problems

Q.1 James has 6 blue marbles, 3 yellow and 3 red marbles. What fraction of his marbles are blue? \_\_\_\_\_

Q.2 What fraction of his marbles are yellow? \_\_\_\_\_

Q.3 Simplify these fractions using the highest common factor.

$$\text{A. } \frac{24}{42} \begin{matrix} (\div 6) \\ (\div 6) \end{matrix} = \frac{\square}{\square}$$

$$\text{B. } \frac{20}{28} \begin{matrix} (\div 4) \\ (\div 4) \end{matrix} = \frac{\square}{\square}$$

Q.4 Tick the fractions that are in its lowest form:

$$\frac{3}{18}$$

$$\frac{8}{24}$$

$$\frac{31}{36}$$

$$\frac{6}{24}$$

$$\frac{7}{36}$$

Q.5 True or false. The following fractions are reduced to their simplest forms.

A. 49 tulips out of 63 are red. This is  $\frac{7}{8}$  when expressed as a fraction.

B. 33 children out of 75 are left handed.

This is  $\frac{11}{25}$  when expressed as a fraction.