



# Timester Challenge

## Express Ratio's as Fractions



There are milk and white chocolates in a box. The ratio of milk chocolates in the box to the number of white chocolates in the box is 4 : 5. What fraction of the chocolates are white?

Bronze ★

A factory makes T-Shirts in sizes small, medium and large. The ratio of small : medium : large is 3 : 5 : 4. What fraction of the T-Shirts are small? Give your answer in its simplest form.

Silver ★

In England, sheep are black or white in the ratio of black : white =  $1:3\frac{1}{2}$ .  
What fraction of the sheep are black?

Concrete is mixed in the ratio of  
Water : Aggregate : Cement = 3 : 4 : 2.  
What fraction is cement?  
Circle your answer.

$\frac{2}{7}$        $\frac{3}{9}$        $\frac{2}{9}$        $\frac{4}{9}$

Bronze ★

Which ratio is not equivalent to 7:3?  
Circle your answer

$\frac{7}{3}:1$       21:9

2.3:1       $1:\frac{3}{7}$

Silver ★

Gold ★



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## Express Ratio's as Fractions



### Answers

There are milk and white chocolates in a box. The ratio of milk chocolates in the box to the number of white chocolates in the box is 4 : 5. What fraction of the chocolates are white?

$\frac{5}{9}$  are white

Bronze ★

A factory makes T-Shirts in sizes small, medium and large. The ratio of small : medium : large is 3 : 5 : 4. What fraction of the T-Shirts are small? Give your answer in its simplest form.

$\frac{3}{12} = \frac{1}{4}$  are small

Silver ★

In England, sheep are black or white in the ratio of black : white = 1 :  $3\frac{1}{2}$ .  
What fraction of the sheep are black?

1 :  $\frac{7}{2}$

2 : 7

$\frac{2}{9}$  are black

Gold ★

Concrete is mixed in the ratio of Water : Aggregate : Cement = 3 : 4 : 2.  
What fraction is cement?  
Circle your answer.

$\frac{2}{7}$

$\frac{3}{9}$

$\frac{2}{9}$

$\frac{4}{9}$

Bronze ★

Which ratio is not equivalent to 7 : 3?  
Circle your answer

$\frac{7}{3} : 1$

21 : 9

2.3 : 1

1 :  $\frac{3}{7}$

Silver ★