



Timester Challenge

Express Ratios 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?

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.

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?

Silver 

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

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

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

$\frac{7}{3}:1$ 21:9

2.3:1

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

Bronze 

Silver 

Gold 



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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

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

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 ★