

Ratio

T3: Convert Ratios and Fractions

Worked Example

Convert 3:5 into fractions

$$3:5 \rightarrow \frac{3}{3+5} : \frac{5}{3+5} \rightarrow \frac{3}{8} \text{ and } \frac{5}{8}$$

Convert the following ratios into fractions

a 3:7

e 10:2

i 35:78

b 8:2

f 14:11

j 28:102

c 5:5

g 16:28

k 24:100

d 9:1

h 32:4

l 48:90

Worked Example

$\frac{3}{5}$ of the counters in a bag are red. The rest are green. Write this information as fractions.

$$\frac{3}{5} + \frac{2}{5} = 1 \rightarrow 3:2 \text{ (Using the numerators)}$$

Given one of the fractions, convert the following fractions into ratios.

1 $\frac{2}{5}$

2 $\frac{7}{8}$

3 $\frac{4}{7}$

4 $\frac{2}{9}$

5 $\frac{7}{12}$

6 $\frac{7}{11}$

7 $\frac{9}{20}$

8 $\frac{5}{12}$

9 $\frac{7}{15}$

10 $\frac{7}{16}$

11 $\frac{17}{25}$

12 $\frac{1}{2}$