Converting between percentages and fractions

MATHS·SCHOOL

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Name:

1) Convert the following fractions to percentages:

a) $\frac{3}{10}$ **30%**

b) $\frac{7}{25}$ **28%**

c) $\frac{14}{50}$ **28%**

d) $\frac{35}{50}$ **70%**

e) $\frac{11}{25}$ **44%**

f) $\frac{3}{20}$ **15%**

g) $\frac{14}{20}$ **70%**

h) $\frac{28}{200}$ **14%**

i) $\frac{8}{40}$ **20%**

j) $\frac{30}{150}$ **20%**

k) $\frac{6}{40}$ **15%**

l) $\frac{9}{30}$ **30%**

m) $\frac{48}{60}$ **80%**

n) $\frac{45}{75}$ **60%**

o) $\frac{40}{250}$ **16%**

2) Convert the following percentages to fractions. Give your answers in their simplest forms.

a) 30% $\frac{3}{10}$

b) 40% $\frac{2}{5}$

c) 45% $\frac{9}{20}$

d) 85% $\frac{17}{20}$

e) 62% $\frac{31}{50}$

f) 150% $\frac{3}{2}$

g) 385% $\frac{77}{20}$

h) 125% $\frac{5}{4}$

i) 132% $\frac{33}{25}$

j) 42% $\frac{21}{50}$

k) 7.5% $\frac{3}{40}$

l) 2.5% $\frac{1}{40}$

m) 10.5% $\frac{21}{200}$
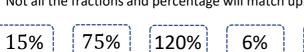
n) 17.5% $\frac{7}{40}$

o) 8.45% $\frac{169}{2000}$

3) Match up the fractions and percentages with their equivalents.
   Not all the fractions and percentage will match up.

| 15% | 75% | 120% | 6% | 60% | 5% | 25% | 35% | 90% |

| $\frac{9}{10}$ | $\frac{3}{2}$ | $\frac{6}{5}$ | $\frac{3}{20}$ | $\frac{1}{4}$ | $\frac{1}{20}$ | $\frac{3}{5}$ | $\frac{3}{4}$ | $\frac{6}{100}$ |

Exam questions:

Convert 32.5% to a fraction.

Give your answer in its simplest form

$$\frac{325}{1000} = \frac{13}{40}$$