

Workout

Question 1: Find the missing numbers

- (a) $\frac{2}{3} = \frac{4}{6}$ (b) $\frac{1}{5} = \frac{4}{20}$ (c) $\frac{3}{4} = \frac{9}{12}$ (d) $\frac{5}{7} = \frac{10}{14}$
- (e) $\frac{3}{5} = \frac{15}{25}$ (f) $\frac{4}{7} = \frac{12}{21}$ (g) $\frac{3}{10} = \frac{15}{50}$ (h) $\frac{7}{8} = \frac{14}{16}$
- (i) $\frac{3}{4} = \frac{30}{40}$ (j) $\frac{5}{8} = \frac{55}{88}$ (k) $\frac{2}{9} = \frac{10}{45}$ (l) $\frac{2}{3} = \frac{12}{18}$
- (m) $\frac{1}{20} = \frac{5}{100}$ (n) $\frac{5}{6} = \frac{15}{18}$ (o) $\frac{3}{8} = \frac{9}{24}$ (p) $\frac{7}{12} = \frac{21}{36}$

Question 2: Find the missing numbers

- (a) $\frac{6}{7} = \frac{42}{49}$ (b) $\frac{9}{20} = \frac{63}{140}$ (c) $\frac{5}{12} = \frac{35}{84}$ (d) $\frac{7}{8} = \frac{56}{64}$
- (e) $\frac{4}{9} = \frac{32}{72}$ (f) $\frac{3}{4} = \frac{39}{52}$ (g) $\frac{7}{25} = \frac{140}{500}$ (h) $\frac{6}{15} = \frac{42}{105}$
- (i) $\frac{11}{16} = \frac{88}{128}$ (j) $\frac{2}{9} = \frac{24}{108}$ (k) $\frac{13}{25} = \frac{195}{375}$ (l) $\frac{9}{16} = \frac{81}{144}$

Apply

Question 1: Write down 3 different fractions that are equivalent to $\frac{1}{2}$ $\frac{2}{4}$ $\frac{3}{6}$ $\frac{4}{8}$ etc.

Question 2: Write down 3 different fractions that are equivalent to $\frac{3}{5}$ $\frac{6}{10}$ $\frac{30}{50}$ $\frac{60}{100}$ etc.

Question 3: Write down 3 different fractions that are equivalent to $\frac{7}{12}$ $\frac{14}{24}$ $\frac{70}{120}$ $\frac{140}{240}$ etc.

Equivalent Fractions

Video 135 on www.corbettmaths.com

Question 4: Dave and Tom are discussing fractions.
Is either man correct? *Yes, Dave*

$\frac{4}{5}$ is equivalent to $\frac{16}{20}$



Dave

$\frac{4}{5}$ is equivalent to $\frac{20}{24}$



Tom

x
 $4 \times 5 = 20$
 $5 \times 5 = 25$
 $\frac{20}{25}$

Question 5: Use the grid to explain why $\frac{3}{4}$ cannot be written as a fraction with a denominator of 15.

*15 is not a multiple of 4,
therefore is not divisible by 4.*

Question 6: Macey has completed her maths homework.
Can you explain what she has done wrong?

(a) $\frac{3}{4} = \frac{\boxed{4}}{16}$
x4

(c) $\frac{7}{8} = \frac{35}{\boxed{5}}$
x5

(b) $\frac{\boxed{3}}{5} = \frac{6}{15}$
x3

(d) $\frac{2}{\boxed{8}} = \frac{16}{40}$
x8

Macey has found what number to multiply by, but hasn't multiplied/divided to find the missing number.