

## **Equivalent Fractions**

Video 135 on www.corbettmaths.com

## Examples





Workout

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Question 1: Find the missing numbers

(a) 
$$\frac{2}{3} = \frac{1}{6}$$

(b) 
$$\frac{1}{5} = \frac{1}{20}$$

(a) 
$$\frac{2}{3} = \frac{1}{6}$$
 (b)  $\frac{1}{5} = \frac{1}{20}$  (c)  $\frac{3}{4} = \frac{1}{12}$  (d)  $\frac{5}{7} = \frac{10}{12}$ 

(d) 
$$\frac{5}{7} = \frac{10}{7}$$

(e) 
$$\frac{15}{5} = \frac{15}{25}$$

(f) 
$$\frac{4}{2} = \frac{12}{21}$$

(e) 
$$\frac{15}{5} = \frac{15}{25}$$
 (f)  $\frac{4}{5} = \frac{12}{21}$  (g)  $\frac{3}{10} = \frac{14}{50}$  (h)  $\frac{7}{8} = \frac{14}{50}$ 

(h) 
$$\frac{7}{8} = \frac{14}{8}$$

(i) 
$$\frac{3}{4} = \frac{30}{1}$$

(j) 
$$\frac{}{8} = \frac{55}{88}$$

(k) 
$$\frac{2}{0} = \frac{10}{10}$$

(i) 
$$\frac{3}{4} = \frac{30}{4}$$
 (j)  $\frac{2}{8} = \frac{55}{88}$  (k)  $\frac{2}{9} = \frac{10}{4}$  (l)  $\frac{2}{3} = \frac{18}{18}$ 

$$\frac{\text{(m)}}{20} = \frac{5}{20}$$

$$\frac{5}{6} = \frac{18}{18}$$

(o) 
$$\frac{3}{8} = \frac{9}{}$$

$$\frac{\text{(m)}}{20} = \frac{5}{6}$$
  $\frac{\text{(n)}}{6} = \frac{5}{18}$   $\frac{\text{(o)}}{8} = \frac{9}{8}$   $\frac{\text{(p)}}{12} = \frac{7}{36}$ 

Question 2: Find the missing numbers

(a) 
$$\frac{6}{7} = \frac{42}{7}$$

(b) 
$$\frac{9}{20} = \frac{63}{}$$

(a) 
$$\frac{6}{7} = \frac{42}{7}$$
 (b)  $\frac{9}{20} = \frac{63}{7}$  (c)  $\frac{5}{12} = \frac{35}{7}$  (d)  $\frac{7}{8} = \frac{64}{64}$ 

(d) 
$$\frac{7}{8} = \frac{7}{64}$$

(e) 
$$\frac{4}{72} = \frac{32}{72}$$

(f) 
$$\frac{3}{4} = \frac{3}{52}$$

(e) 
$$\frac{4}{7} = \frac{32}{72}$$
 (f)  $\frac{3}{4} = \frac{32}{52}$  (g)  $\frac{7}{25} = \frac{140}{15}$  (h)  $\frac{1}{15} = \frac{42}{105}$ 

$$\frac{\text{(h)}}{15} = \frac{42}{105}$$

(i) 
$$\frac{11}{16} = \frac{88}{16}$$

(j) 
$$\frac{2}{9} = \frac{108}{108}$$

$$\frac{\text{(k)}}{25} = \frac{13}{375}$$

(i) 
$$\frac{11}{16} = \frac{88}{100}$$
 (j)  $\frac{2}{9} = \frac{100}{100}$  (k)  $\frac{13}{25} = \frac{100}{375}$  (l)  $\frac{9}{100} = \frac{81}{144}$ 

Apply

Question 1: Write down 3 different fractions that are equivalent to  $\frac{1}{2}$ 

Question 2: Write down 3 different fractions that are equivalent to  $\frac{3}{5}$ 

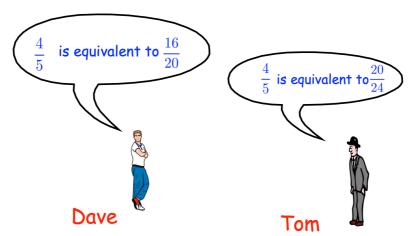
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## **Equivalent Fractions**

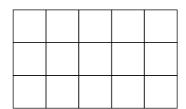
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Question 3: Write down 3 different fractions that are equivalent to  $\frac{7}{12}$ 

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



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



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

$$\frac{3}{4} = \frac{4}{16}$$

$$\frac{7}{8} = \frac{35}{5}$$

$$\frac{3}{5} = \frac{6}{15}$$

$$\frac{2}{8} = \frac{16}{40}$$

(d)

**Answers** 



