



Simplify fractions using common factors

1

Find the equivalent fraction



$$\frac{1}{4} = \frac{?}{?}$$

A

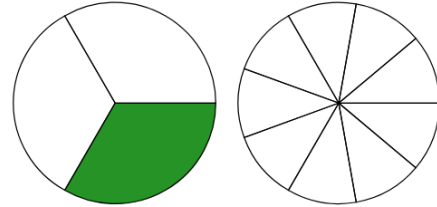
$$\frac{3}{12}$$

B

$$\frac{5}{17}$$

2

Find the equivalent fraction



$$\frac{1}{3} = \frac{?}{?}$$

A

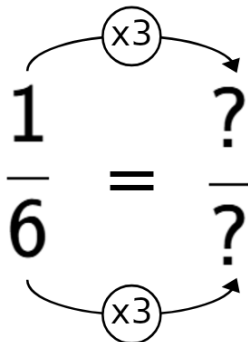
$$\frac{2}{11}$$

B

$$\frac{3}{9}$$

3

Find the equivalent fraction



A

$$\frac{2}{10}$$

B

$$\frac{3}{18}$$

4

Complete the equivalent fraction by finding the missing denominator

$$\frac{3}{6} \times \frac{2}{2} = \frac{6}{?}$$

A 12

B 13

C 15

D 14

E 9

F 16

5

Find the equivalent fraction

$$\frac{1}{3} \times \frac{5}{5} = \frac{?}{?}$$

A

$$\frac{8}{8}$$

B

$$\frac{5}{15}$$



Simplify fractions using common factors

6

Find the ratio that this equivalent fraction has been multiplied by

$$\frac{4}{5} = \frac{8}{10}$$

(x?)

A 2

B 8

C 5

D 7

E 4

F 10

7

Divide these fractions and simplify the answer

$$\frac{\left(\frac{5}{4}\right)}{\left(\frac{3}{7}\right)}$$

A 3

B 1

C $1\frac{5}{7}$

D 4

E $\frac{15}{28}$

F $2\frac{11}{12}$
8

Divide these fractions and simplify the answer

$$\frac{6}{2} \div \frac{7}{6}$$

A $1\frac{5}{7}$

B $3\frac{1}{2}$

C $2\frac{4}{7}$

D $\frac{6}{7}$

E $1\frac{1}{3}$

F 6

9

Simplify this fraction by cancelling identical terms on top and bottom

$$\frac{5 \times 7 \times 2 \times 3}{7 \times 2 \times 5 \times 5}$$

A $\frac{3}{5}$

B $\frac{5}{3}$

C $\frac{3}{7}$

D $\frac{3}{4}$

E $\frac{7}{2}$

F $\frac{7}{5}$
10

Divide these fractions and simplify the answer

$$\frac{\left(\frac{3}{8}\right)}{\left(\frac{3}{8}\right)}$$

A $3\frac{2}{3}$

B 1

C $\frac{9}{64}$

D $1\frac{3}{8}$

E $\frac{11}{24}$
11

Divide these fractions and simplify the answer

$$\frac{5}{4} \div \frac{4}{2}$$

A $1\frac{3}{4}$

B $\frac{7}{16}$

C $\frac{7}{8}$

D $2\frac{1}{2}$

E $\frac{5}{8}$
12

Simplify this fraction by cancelling identical terms on top and bottom

$$\frac{5 \times 3 \times 3 \times 5}{2 \times 3 \times 5 \times 5}$$

A $\frac{3}{2}$

B $\frac{3}{7}$

C $\frac{5}{3}$

D $\frac{2}{5}$

E $\frac{7}{3}$

F $\frac{5}{7}$