

Equivalent fractions

- Find equivalent fractions
- Simplify fractions

Copy and complete the pairs of equivalent fractions.

a $\frac{3}{5} = \frac{\square}{20}$

b $\frac{4}{14} = \frac{\square}{28}$

c $\frac{\square}{9} = \frac{6}{27}$

d $\frac{\square}{6} = \frac{30}{36}$

e $\frac{8}{\square} = \frac{32}{80}$

f $\frac{3}{\square} = \frac{21}{49}$

g $\frac{6}{8} = \frac{36}{\square}$

h $\frac{1}{3} = \frac{7}{\square}$

i $\frac{\square}{4} = \frac{48}{64}$

j $\frac{2}{16} = \frac{8}{\square}$

k $\frac{9}{\square} = \frac{63}{70}$

l $\frac{1}{45} = \frac{\square}{90}$

m $\frac{3}{13} = \frac{15}{\square}$

n $\frac{\square}{12} = \frac{40}{96}$

o $\frac{4}{\square} = \frac{24}{600}$

p $\frac{\square}{100} = \frac{56}{700}$

q $\frac{3}{17} = \frac{\square}{34}$

r $\frac{6}{\square} = \frac{7}{28}$

s $\frac{\square}{21} = \frac{24}{56}$

t $\frac{12}{32} = \frac{18}{\square}$

Reduce these fractions to their simplest form.

a $\frac{12}{14}$

b $\frac{6}{36}$

c $\frac{7}{28}$

d $\frac{30}{45}$

e $\frac{16}{36}$

f $\frac{12}{20}$

g $\frac{72}{81}$

h $\frac{8}{20}$

i $\frac{3}{21}$

j $\frac{18}{24}$

k $\frac{21}{49}$

l $\frac{24}{64}$

m $\frac{15}{24}$

n $\frac{20}{28}$

o $\frac{28}{63}$

p $\frac{24}{50}$

q $\frac{75}{100}$

r $\frac{24}{30}$

s $\frac{39}{78}$

t $\frac{36}{81}$

? Puzzle time

Using two adjoining numbers, one as the numerator, the other as a denominator, make fractions equivalent to $\frac{1}{2}$, $\frac{2}{3}$ and $\frac{3}{4}$.

Look at this fraction: $\frac{26}{65}$

If you cross out the two digits that are the same you create an equivalent fraction.

$\frac{26}{65} = \frac{2}{5}$. Find other pairs of fractions where this is true.

