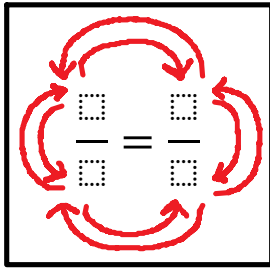


Over = Over

Check on Calculator!

M8 - 2.0 - Equal Fraction Review



Ratios

Boys : Girls : Total

: # :

: # :

Over = Over

$$\frac{\square}{\square} = \frac{\square}{\square}$$

Do to Top/Do to Bottom
Do to Left/Do to Right

One over two equals what over 4?

Check both sides on your calculator!

$$\frac{1}{2} = \frac{?}{4} \rightarrow \frac{1}{2} = \frac{2}{4}$$

Multiply bottom by 2
Multiply top by 2

0.5 = 0.5 ✓

? = 2 1 × 2 = 2

One over three equals what over 6?

Set it up!

$$\frac{1}{3} = \frac{x}{6}$$

$x = 1 \times 2 = 2$

? or x
Does it matter?
No!

Direction Matters

Ratios Too!

1:2
2:4

Same Rules!

× 2

÷ 2

Multiply in one direction
Divide in other direction

OR!

× 2

× 2

Multiply left by 2
Multiply right by 2

Get an LCD!

Cross Multiply

OR!

4 × 1 = x × 2

4 = 2x

2 = x

Five over twenty equals one over what?

I'm not afraid to work on the bottom of the fraction!

OR!

0.25 = 0.25 ✓

x = 4

Divide top by 5
Divide bottom by 5

20 ÷ 5 = 4

Cross Multiply

5/20 = 1/x

5x = 20

x = 4

Three over five equals what over twelve?

OR!

0.6 = 0.6 ✓

x = 7.2

3 × 2.4 = 7.2

Multiply bottom by 2.4
Multiply top by 2.4

12/5 = 2.4

If you don't know just divide!
Bigger divided by Smaller!

OR!

× 1.6̄

÷ 1.6̄

OR!

Cross Multiply

3/5 = x/12

Multiply 36/5 = 5x

7.2 = x

Multiply left 1.66..
Divide right by 1.66..

5/3 = 1.6̄

Calculator 12 ÷ 1.666666... = 7.2

12 ÷ 3/5 = 12 × 5/3 = 36/5

Long Division/Multiplication

Bottom goes into Top

Bottom | Top

5 | 12.0

2.4

10

20

0

7.2

3 | 5.00

1.66...

3

20

18

20 (Repeat)