Ratios Showdown!!

A ratios game with answers!

Grades 6 and up
CCSS 6.RP.A1, 6.RP.A3
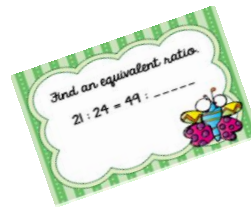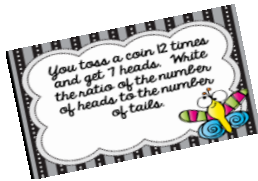
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http://www.teacherspayteachers.com/Store/Deborah-Kirkendall

Running, Reading, and 'Rithmetic
http://runningreadingandrithmetic.blogspot.com/

How to Play Showdown!!

1) Separate class into groups (4 to students usually works best!)
2) Print a set of SHOWDOWN cards for each group. Cut apart cards and shuffle into a pile.
3) Each group member needs something to write on (whiteboards work best!).
4) Each group will elect the first "Showdown Captain". The Showdown Captain turns over the first card.
5) Each player writes the answer to the equation.
6) When everyone is ready, the Showdown Captain calls out "3..2..1..SHOWDOWN!!" and then students share with the group their answer. (The Showdown Captain can choose their favorite if you are playing for points).
7) The Showdown Captain rotates to the right and the game continues.

Answers are included.

You toss a coin 12 times and get 7 heads. Write the ratio of the number of heads to the number of tails.

You have read 15 books from a series of 18. Write the ratio of books you have not read to books in the series.

In your class, 15 students are wearing sneakers and 7 are wearing flip-flops. Write the ratio of flip-flops to the whole class.

There are 6 girls and 5 boys in the marching band. Write this as a ratio in two ways.

There are 12 girls and 4 boys in the yearbook club. Write the ratio of boys to girls.

Dad paid a cable and Internet bill of $118. The cable part was $85. Write the ratio of the payment for the Internet to the payment for cable.

True or False?
The students voted for shirts for the field days. 16 students picked yellow, 18 students picked green, and 3 students picked blue. The ratio of total votes to votes for blue shirts was 37:18.

A sports team had a season of 46 wins and 19 losses. Give the ratio of wins to losses.

Jim has 6 pairs of white socks, 2 pairs of black socks, and several pairs of blue socks. He has 13 pairs altogether. Give the ratio of white socks to blue socks.

The sixth grade class voted for their favorite subjects. 3 chose Language Arts, 6 chose Math, 5 chose Science, and 4 chose Social Studies. What is the ratio of students surveyed to students who chose Social Studies?

Juli has a bag of 70 marbles. There are 27 black, 14 white, and 29 yellow. What is the ratio of yellow marbles to black marbles?

Give two ratios equivalent to 12:16. Give one with lesser terms and one with greater terms.

Find an equivalent ratio.

21 : 24 = 49 : ____

Give two ratios equivalent to 24 : 28. Give one with lesser terms and one with greater terms.

Find an equivalent ratio.

15 : 21 = 35 : ____

In a class of 32 students, 1 out of every 4 students wears braces. How many students have braces?

Find an equivalent ratio.

12 : 24 = _____ : 12

A baker uses 45 cups of flour and 54 cups of water. The flour water ratio is 45 : 54. How much water does the baker need if she only uses 5 cups of flour?

At a school picnic, the ratio of water bottles to juice boxes was 4 : 9. There were 12 water bottles. How many juice boxes were there? How many total drinks?

The ratio of boys to girls at the school dance was 8 : 7. If there were 28 girls at the dance, how many boys were there?

Each month the SPCA has a ratio of 4 dogs adopted to every 5 cats. In January, 12 dogs were adopted. How many cats were adopted?

Each week the attendant at a parking lot notices the ratio of hybrid cars to all cars is 5 to 9. This week there were 35 hybrid cars in the lot. How many total cars were in the lot?

Find two ratios equivalent to 8 : 10. Find one with lesser terms and one with greater terms.

The playlist on your iPod has 7 fast-tempo songs and 2 slow-tempo songs. Make a playlist with more songs using an equivalent ratio.

The middle school baseball team has 5 pitchers, 2 catchers, and 12 other fielders. What is the ratio of catchers to fielders?

In a bouquet of flowers there are 9 daisies and 2 roses. Write this ratio in three different ways.

Kaitlyn scored 63 goals at her soccer practice. If her ratio of goals to misses was 7 : 5, how many times did she miss?

The punch at a party has 7 cups of juice and 2 cups of soda. Write this as a ratio in three different ways.

Write a ratio equivalent to $\frac{7}{9}$ with greater terms.

Write a ratio equivalent to $\frac{40}{50}$ with lesser terms.

The ratio of a batter's hits to number of times at bat is 33 to 120. Find his batting average as a decimal.

The ratio of a batter's hits to number of times at bat is 39 to 150. Find his batting average as a decimal.

The ratio of sixth graders to the total number of students in a school is 0.45. Write this ratio as a fraction in simplest form.

In Dad's toolbox the ratio of hex bolts to all bolts is 0.34. Write this ratio as a fraction in simplest form.
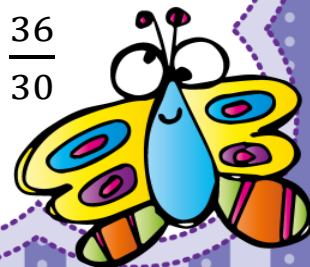
Which ratios are equivalent to $\frac{60}{75}$?

$$\frac{16}{20} \qquad \frac{5}{4} \qquad \frac{160}{200} \qquad \frac{32}{40} \qquad \frac{65}{80}$$

In a serving of mixed veggies, there are 54 peas and 45 pieces of corn. Which ratios are equivalent ?

$$\frac{24}{20} \qquad \frac{35}{10} \qquad \frac{5}{6} \qquad \frac{60}{50} \qquad \frac{36}{30}$$

You toss a coin 12 times and get 7 heads. Write the ratio of the number of heads to the number of tails.
7:5

You have read 15 books from a series of 18. Write the ratio of books you have not read to books in the series.
3:18

In your class, 15 students are wearing sneakers and 7 are wearing flip-flops. Write the ratio of flip-flops to the whole class.
7:22

There are 6 girls and 5 boys in the marching band. Write this as a ratio in two ways.
6:5, 5:6

There are 12 girls and 4 boys in the yearbook club. Write the ratio of boys to girls.
4:12

Dad paid a cable and Internet bill of $118. The cable part was $85. Write the ratio of the payment for the Internet to the payment for cable. 33:85

True or False?
The students voted for shirts for the field days. 16 students picked yellow, 18 students picked green, and 3 students picked blue. The ratio of total votes to votes for blue shirts was 37:18.
False

A sports team had a season of 46 wins and 19 losses. Give the ratio of wins to losses.
46:19

Jim has 6 pairs of white socks, 2 pairs of black socks, and several pairs of blue socks. He has 13 pairs altogether. Give the ratio of white socks to blue socks.

6:5

The sixth grade class voted for their favorite subjects. 3 chose Language Arts, 6 chose Math, 5 chose Science, and 4 chose Social Studies. What is the ratio of students surveyed to students who chose Social Studies?

18:4

Juli has a bag of 70 marbles. There are 27 black, 14 white, and 29 yellow. What is the ratio of yellow marbles to black marbles?

29:27

Give two ratios equivalent to 12:16. Give one with lesser terms and one with greater terms.

Ex: 6:8
24:32

Find an equivalent ratio.

21 : 24 = 49 : _56_

Give two ratios equivalent to 24 : 28. Give one with lesser terms and one with greater terms.

Ex: 12:14, 48:56

Find an equivalent ratio.

15 : 21 = 35 : _49_

In a class of 32 students, 1 out of every 4 students wears braces. How many students have braces?

8

Find an equivalent ratio.

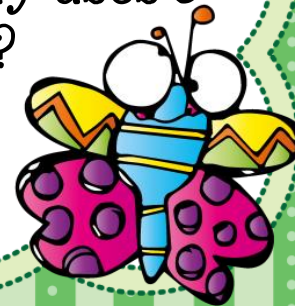12 : 24 = _6_ : 12

A baker uses 45 cups of flour and 54 cups of water. The flour water ratio is 45 : 54. How much water does the baker need if she only uses 5 cups of flour?

6

At a school picnic, the ratio of water bottles to juice boxes was 4 : 9. There were 12 water bottles. How many juice boxes were there? How many total drinks?

27

The ratio of boys to girls at the school dance was 8 : 7. If there were 28 girls at the dance, how many boys were there?

32

Each month the SPCA has a ratio of 4 dogs adopted to every 5 cats. In January, 12 dogs were adopted. How many cats were adopted?

15

Each week the attendant at a parking lot notices the ratio of hybrid cars to all cars is 5 to 9. This week there were 35 hybrid cars in the lot. How many total cars were in the lot?

63

Find two ratios equivalent to 8 : 10. Find one with lesser terms and one with greater terms.

Ex: 4:5, 16:20

The playlist on your iPod has 7 fast-tempo songs and 2 slow-tempo songs. Make a playlist with more songs using an equivalent ratio.

Ex: 14:4

The middle school baseball team has 5 pitchers, 2 catchers, and 12 other fielders. What is the ratio of catchers to fielders?

2:19

In a bouquet of flowers there are 9 daisies and 2 roses. Write this ratio in three different ways.

9:2, 9 to 2, $\frac{9}{2}$

Kaitlyn scored 63 goals at her soccer practice. If her ratio of goals to misses was 7 : 5, how many times did she miss?

45

The punch at a party has 7 cups of juice and 2 cups of soda. Write this as a ratio in three different ways.

7:2, 7 to 2, $\frac{7}{2}$

Write a ratio equivalent to $\frac{7}{9}$ with greater terms.

Ex. $\frac{14}{18}$

Write a ratio equivalent to $\frac{40}{50}$ with lesser terms.

Ex. $\frac{4}{5}$

The ratio of a batter's hits to number of times at bat is 33 to 120. Find his batting average as a decimal.

0.275

The ratio of a batter's hits to number of times at bat is 39 to 150. Find his batting average as a decimal.

0.26

The ratio of sixth graders to the total number of students in a school is 0.45. Write this ratio as a fraction in simplest form.

$$\frac{9}{20}$$

In Dad's toolbox the ratio of hex bolts to all bolts is 0.34. Write this ratio as a fraction in simplest form.

$$\frac{17}{50}$$

Which ratios are equivalent to $\frac{60}{75}$?
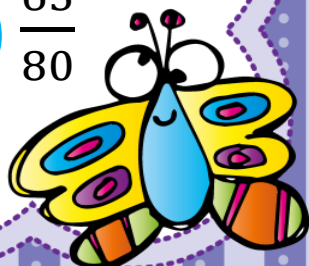
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If you like this product, see my other Math and ELA Showdown Games at my store!