

RATIOS - WAYS OF WRITING

ANSWERS

Write each ratio three different ways. Make sure all ratios are in simplest form.

Helpful example

12 black shirts and 8 blue shirts.

Ratio of blue shirts to black shirts?

HELP: THERE ARE 8 BLUE SHIRTS AND 12 BLACK SHIRTS, BUT THEY CAN BE SIMPLIFIED BY DIVIDING BOTH OF THEM BY 4.

$$\frac{8 \text{ blue shirts}}{12 \text{ black shirts}} \quad \mathbf{2:3} \quad \text{OR} \quad \mathbf{2 \text{ to } 3} \quad \text{OR} \quad \mathbf{\frac{2}{3}}$$

1. 8 boys and 14 girls in a classroom.
Ratio of boys to entire class?

 $\mathbf{4:11}$ OR $\mathbf{4 \text{ to } 11}$ OR $\mathbf{\frac{4}{11}}$
2. 14 yellow flowers, 7 pink flowers, and 9 red flowers in a vase.
Ratio of red flowers to pink flowers?

 $\mathbf{9:7}$ OR $\mathbf{9 \text{ to } 7}$ OR $\mathbf{\frac{9}{7}}$
3. 128 people and 48 houses in a neighborhood.
Ratio of people to houses?

 $\mathbf{8:3}$ OR $\mathbf{8 \text{ to } 3}$ OR $\mathbf{\frac{8}{3}}$
4. Everyday, Hacky runs 14 km, Yoyo runs 6 km, and Zek runs 10 kilometers.
Ratio of weekly distance ran by Zek to Hacky?

 $\mathbf{5:7}$ OR $\mathbf{5 \text{ to } 7}$ OR $\mathbf{\frac{5}{7}}$
5. 180 students and 6 teachers in a school.
Ratio of teachers to students in the school?

 $\mathbf{1:30}$ OR $\mathbf{1 \text{ to } 30}$ OR $\mathbf{\frac{1}{30}}$
6. Out of 289 people, 85 people like baseball, 51 like hockey, and the rest like football.
Ratio of people liking baseball to football?

 $\mathbf{5:9}$ OR $\mathbf{5 \text{ to } 9}$ OR $\mathbf{\frac{5}{9}}$
7. 16 blue marbles, 8 black marbles, and 3 red marbles in a sack.
Ratio of red marbles to all marbles in the sack?

 $\mathbf{1:9}$ OR $\mathbf{1 \text{ to } 9}$ OR $\mathbf{\frac{1}{9}}$

8. 4 cups water and 6 cups sugar in a recipe.
Ratio of sugar to water?

 $\mathbf{3:2}$ OR $\mathbf{3 \text{ to } 2}$ OR $\mathbf{\frac{3}{2}}$
9. 3 dozen oatmeal cookies and 5 dozen chocolate chip cookies on a plate.
Ratio of total cookies to oatmeal cookies?

 $\mathbf{8:3}$ OR $\mathbf{8 \text{ to } 3}$ OR $\mathbf{\frac{8}{3}}$
10. 10 elephants, 6 giraffes, and 4 bears in a zoo.
Ratio of elephants to bears?

 $\mathbf{5:2}$ OR $\mathbf{5 \text{ to } 2}$ OR $\mathbf{\frac{5}{2}}$
11. The average kid sleeps 8 hours and watches TV 2 hours per day.
Ratio of sleep to hours in a day?

 $\mathbf{1:3}$ OR $\mathbf{1 \text{ to } 3}$ OR $\mathbf{\frac{1}{3}}$
12. 24 footballs and 36 tennis balls in a basket.
Ratio of all balls in the basket to footballs?

 $\mathbf{5:2}$ OR $\mathbf{5 \text{ to } 2}$ OR $\mathbf{\frac{5}{2}}$
13. 13 yellow, 7 red, 8 blue, and 36 white houses in a neighborhood.
Ratio of white houses to entire neighborhood?

 $\mathbf{9:16}$ OR $\mathbf{9 \text{ to } 16}$ OR $\mathbf{\frac{9}{16}}$
14. 2,400 babies are born every month in a city of 2 million people. A third of the babies are girls.
Ratio of boys to girls born during the year?

 $\mathbf{2:1}$ OR $\mathbf{2 \text{ to } 1}$ OR $\mathbf{\frac{2}{1}}$