

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.

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

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

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

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

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

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

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

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

1:9 OR **1 to 9** OR $\frac{1}{9}$

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

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

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

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

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

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

9:16 OR **9 to 16** OR $\frac{9}{16}$
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?

2:1 OR **2 to 1** OR $\frac{2}{1}$