THIRD SPACE LEARNING

Ratio Check for Understanding

A 10 question retrieval quiz for students in grades 6 and 7.

Grades 6 and 7

Questions

Name: ..... Class: .....

Date: ..... Score: .....

1 There are 20 players on a soccer team. 13 of the players are boys and the rest are girls. What is the ratio of girls to boys on the soccer team?

Answer

2 For drinks, the cafeteria sells water, milk and juice. Last week they sold 324 waters, 120 milks and 245 juices. What is the ratio of milks to total drinks sold in the cafeteria last week?

Answer

3 One out of 4 students in 6th grade participated in the clothing drive. If there are 76 students in 6th grade, how many participated in the clothing drive?

Answer

4 A bakery uses 14 bags of flour to make 98 loaves of bread. How many loaves of bread will 1 bag of flour make?

Answer

5 If it takes 3 hours for a train to travel 135 miles, how far will it travel in 5 hours?

Answer

6 When making a shade of purple paint, an artist uses the ratio 3:2 for ounces of blue paint to ounces of red paint. If the artist wants to make 50 ounces of purple paint, how many ounces of blue paint will she need?

Answer

7 A faucet leaks $\frac{1}{5}$ gallon of water every $\frac{1}{4}$ of an hour. How many gallons of water does it leak in 1 hour?

Answer

8 A lawn mower uses $\frac{1}{7}$ liters of gasoline every $\frac{2}{3}$km it mows. How many liters of gasoline does it use every km?

Answer

9 The ratio of cats and dogs in an animal shelter is 4:7. What proportion of the animals at the shelter are cats?

Answer

10 The proportion of teachers at a school is $\frac{40}{1040}$. What is the ratio of students to teachers at the school?

Answer

Answers

Question number	Question	Answers	Standard
1	There are 20 players on a soccer team. 13 of the players are boys and the rest are girls. What is the ratio of girls to boys on the soccer team?	7:13 or 7 to 13 or $\frac{7}{13}$ **Note, fraction notation is a 7th grade skill*	6.RP.A.1
2	For drinks, the cafeteria sells water, milk and juice. Last week they sold 324 waters, 120 milks and 245 juices. What is the ratio of milks to total drinks sold in the cafeteria last week?	120:689 or 120 to 689 or $\frac{120}{689}$ **Note, fraction notation is a 7th grade skill*	6.RP.A.1
3	One out of 4 students in 6th grade participated in the clothing drive. If there are 76 students in 6th grade, how many participated in the clothing drive?	19 students	6.RP.A.3
4	A bakery uses 14 bags of flour to make 98 loaves of bread. How many loaves of bread will 1 bag of flour make?	7 loaves of bread	6.RP.A.3
5	If it takes 3 hours for a train to travel 135 miles, how far will it travel in 5 hours?	225 miles	6.RP.A.3
6	When making a shade of purple paint, an artist uses the ratio 3:2 for ounces of blue paint to ounces of red paint. If the artist wants to make 50 ounces of purple paint, how many ounces of blue paint will she need?	30 ounces of blue paint	6.RP.A.3

Question number	Question	Answers	Standard
7	A faucet leaks $\frac{1}{5}$ gallon of water every $\frac{1}{4}$ of an hour. How many gallons of water does it leak in 1 hour?	$\frac{4}{5}$ gallon of water	7.RP.A.1
8	A lawn mower uses $\frac{1}{7}$ liters of gasoline every $\frac{2}{3}$ km it mows. How many liters of gasoline does it use every km?	$\frac{3}{14}$ liters	7.RP.A.1
9	The ratio of cats and dogs in an animal shelter is 4:7. What proportion of the animals at the shelter are cats?	$\frac{4}{11}$	7.RP.A.2
10	The proportion of teachers at a school is $\frac{40}{1040}$. What is the ratio of students to teachers at the school?	1,000:40 and $\frac{1000}{40}$	7.RP.A.2

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