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COMPARING RATIOS WORKSHEET-I

1) Compare the following ratios.

a) $7 : 6$ and $4 : 9$

b) $1 : 7$ and $5 : 22$

2) Noah had 6 pink marbles and 24 blue marbles. Sophia had 3 pink marbles and 6 blue. Who has the greater ratio of pink/blue marbles?



3) Write the following ratios in ascending order.

$4 : 13$, $12 : 19$ and $14 : 25$

4) Class A has 9 boys and 18 girls. Class B has 7 boys and 21 girls. Which class has a lesser ratio of boys to girls?

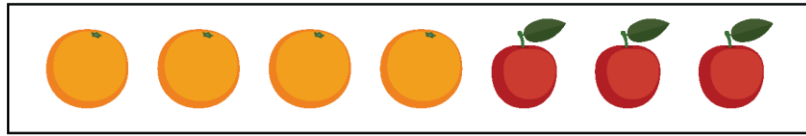


5) Fill in the box with $<$, $>$, or $=$.

a) $2 : 4$ $7 : 14$

b) $1 : 4$ $3 : 15$

6) Compare the ratios depicted in 1) and 2) in the following figure:



1)



2)

Use the following information to answer Q.7 and Q.8.

Lara's recipe for lemonade calls for 3 cups of lemonade concentrate and 4 cups of water. Chris's recipe calls for 3 cups of lemonade concentrate and 5 cups of water.

7) Calculate the individual ratios of recipes of both Lara and Chris.

8) Whose recipe makes stronger lemonade.

9) To compare two ratios, you have to make their _____ equal.

- a) Antecedents
- b) Consequents
- c) Numerators
- d) None of the above

10) Which of the following ratios is the largest.

- a) 2 : 3
- b) 5 : 7
- c) 7 : 10
- d) 6 : 5

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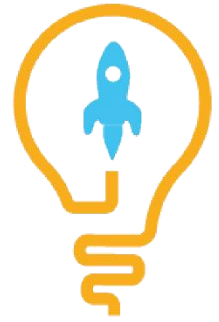
- Kirk Riley

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- Barbara Cabrera

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**ANSWERS**

1)	$a) > b) <$
2)	Sophia
3)	$(4 : 13) < (14 : 25) < (12 : 19)$
4)	Class B
5)	$a) = b) >$
6)	Ratios depicted in: 1) $4 : 3$ 2) $2 : 8$ $1) > 2)$
7)	Lara's recipe: $3 : 4$; Chris's recipe: $3 : 5$
8)	Lara's recipe
9)	b)
10)	d)

FUN FACT

1. A ratio between two or more quantities is a way of measuring their sizes compared to each other.
2. Ratio of water and land on the earth is 29 : 71.
3. The ratio of carbon to oxygen in carbon dioxide is 2.66 : 1.

