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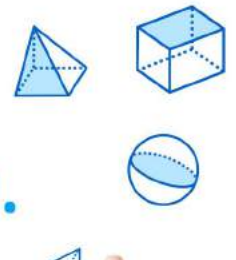

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Equivalent Ratios Worksheets 6th Grade

1. Find the ratio equivalent to $2:5$.

2. The ratio $11:10$ and $55:50$ share a relation with each other, in the same way $8:19$ share the same relation with a ratio. Find the ratio.

3. Find the value of m for which the ratios $6:m$ and $18:24$ are equivalent.

4. The sum of two numbers is 96. If the ratio between them is $11:1$, find the difference between the two numbers.

5. The variable t and 3 share a ratio equal to that of the numbers 27 and 81, find the value of t.

6. Express each ratio as a fraction in the simplest form.
   A. 15 balloons out of 60 balloons
   B. 8 cups out of 36 cups

7. There are 500 boys and girls who enrolled to an extracurricular activities camp. If the number of boys and girls are in the ratio $11:14$, how many more girls than boys enrolled for the camp?

8. The ratio of bananas to apples in a basket full of fruits is $27:17$. If there are 200 bananas more than apples. How many apples are there?

9. 3 parts of lime and 8 parts of soda are mixed to form a lime soda juice. How many parts of lime must be mixed with 11 parts of soda to get the same taste?

10. The radius of a circle is r units. Find the ratio of its original area to the new area if the radius of the circle is tripled.

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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1) $4:10$	6) A) $1:4$ B) $2:9$
2) $40:95$	7) 60
3) 8	8) 340
4) 90	9) $\frac{88}{3}$
5) 1	10 $1:9$

FUN FACT

1. Ratios can be expressed as fractions
2. Fractions can be expressed as ratios
3. Same quantities are compared using ratios