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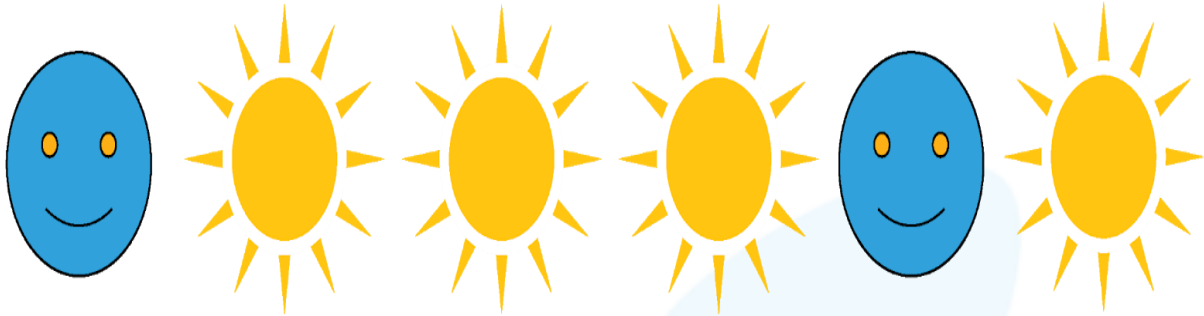
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## 6th Grade Ratio Worksheet I

Q1. Represent Squares and triangles in the ratio 3: 5.

Q2. Divide the \$ 600 in the ratio 2:3.



Q3. A regular hexagon's side is 4 mm and that of a regular pentagon is 16mm. What is the ratio of the length of the side of the hexagon and a pentagon?

Q4. At the end of the day, a farmer had 20 leftover vegetables. At the beginning of the day, A farmer had 50 pieces of Vegetables. What is the ratio of leftover vegetables to initial vegetables?

Q5. There are 8 pairs of leather shoes and 12 pairs of PU shoes. Write the ratio of leather shoes to PU shoes.

Q6. Reduce each ratio to the simplest form.

a)  $5 : 10 =$  \_\_\_\_\_

b)  $60 : 54 =$  \_\_\_\_\_

Q7. The ratio of girls to boys in a school ground is 3 to 4. If there are a total of 40 boys in the ground, then how many boys and girls are there altogether?

Q8. Use the following symbols ( $>$ ,  $<$ ,  $=$ ) to compare the ratios.

a)  $6:18$  \_\_\_\_\_  $1:3$

b)  $2:10$  \_\_\_\_\_  $3:12$

Q9. The blue ribbons to green ribbons ratio are 4 to 6. If there are a total of 40 red ribbons, then how much green ribbons are there?

Q 10. A coach orders a few footballs online. He orders 15 white footballs and 12 black and white footballs.

- a) What is the ratio of blue to white footballs?
- b) What is the ratio of white footballs to all footballs?



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"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."

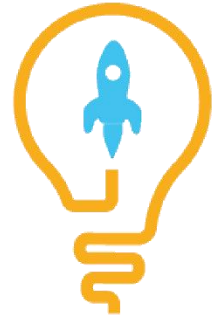
- Kirk Riley

"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)	3: 5
2)	$2x = 240$ and $3x = 360$
3)	1:4
4)	2:5
5)	2:3
6)	a.) 1:2 b.) 10:9
7)	70
8)	= <
9)	60
10)	a) 4 : 5 b) 5 : 9

## FUN FACT

1. Golden ratio is a special number that many buildings have, which are built in ancient times.
2. Ratio of the quantities with the same unit, gives a dimensionless number.
3. Ratio can be used to compare the sizes of two bodies.

