

Supernova School

Grade VI (Mathematics)  
Topic: Ratio and Proportion  
Practice Worksheet

## 6th Grade Ratio Worksheet I

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

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 blue ribbons, then how much green ribbons are there?

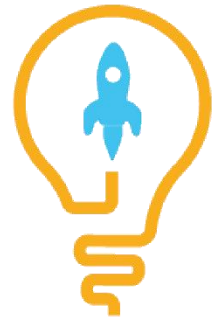
Q 10. A coach orders a few footballs online. He orders 15 white footballs and 12 black and white footballs.

a) What is the ratio of black to white footballs?

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







## 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.

