**Choose the Correct options:**

1. Solve the proportion:

$$\frac{2}{7} = \frac{c}{28}$$

    a. 4

    **b. 8**

    c. 14

    d. 10

2. Solve for x

$$\frac{9}{36} = \frac{x}{24}$$

    **a. x=6**

    b. x =1/6

    c. x = 7

    d. x=9

3. Patrick has 2 black, 3 red, and 5 white toy cars. What is the ratio of red toy cars to all the toy cars?

    a. 3:5

    b. 1:3

    c. 3:11

    **d. 3:10**

4. For every 3 cups of rice you need 2 cups of water, if you use 12 cups of rice, how much water will you need.

    a. 4

    **b. 8**

    c. 24

    d. 6

5. A cake recipe calls for 1.5 cups of milk and 3 cups of flour. Seth made a mistake and used 5 cups of flour. How many cups of milk should he use to keep the proportions correct?

    **a. 2.5 cups milk**

    b. 1.75 cups milk

    c. 2 cups flour

    d. 2.25 cups milk

6. Every 7 days, you work 40 hours. How many hours do you work over 30 days?

    a. 52.5

    b. 4.75

    **c. 171.4**

    d. 8.5

7. Hamburger sells for 3 pounds for $6. If Alicia buys 10 pounds of hamburger, how much will she pay?

    a. $30

    **b. $20**

    c. $60

Nilanjana Bhadra

d. $10

8. What is it called when two or more of the same units are being compared?
   **a. Ratio**
   b. Proportion
   c. Unit Rate
   d. All of these

9. There are 4 birds and 6 snakes. What is the ratio of birds to snakes?
   a. 6/4
   **b. 2/3**
   c. 1/3
   d. 10/16

10. A scale drawing of a billboard uses the scale 4 cm:9 ft. The length of the billboard in the drawing is 11 cm. How long is the actual billboard?
   a. 13 ft
   b. 20.75 ft
   **c. 24.75 ft**
   d. 22 ft

11. Courtney's summer camp has 2 canoes for every 5 campers. If there are 70 campers in all, which proportion can be used to calculate how many canoes there are at the camp?
   **a. 5/2 = 70/x**
   b. 2/5 = 70/x
   c. 2/x = 70/5
   d. 2/70 = 5/x

12. In an animal shelter, the ratio of cats to dogs is 3 to 5. If there are a total of 25 dogs at the shelter, how many cats do they have?
   **a. 15**
   b. 18
   c. 21
   d. 32

13. Cann Electronics has all of their electronics on sale for 20% off. If a computer originally cost $1,050, what is the new price?
   a. $210
   **b. $840**
   c. $787
   d. $1,260

14. Solve the proportion.
$$\frac{k}{6} = \frac{15}{18}$$
   **a. k=5**
   b. k=3.3333333
   c. k=60
   d. k=90

15. Solve the proportion.
$$\frac{33}{p} = \frac{3}{28}$$
   a. p=31.3
   **b. p=308**

Nilanjana Bhadra

c. p=924
d. p=532

Nilanjana Bhadra