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Assignment

1 express the ratio 120

Solution

6:8

2 Divide \$120 in the

Solution

Add the ratios 2 + 3 = 5

$$A \quad \frac{2}{5} \times 120 = 48$$

$$B \quad \frac{3}{5} \times 120 = 72$$

3 The ratio of cats to dogs

1:2 28 dogs, how many cats?

5 are the ratio 6:9 and
Solution
7:3 and

6 if 3 shirts cost \$45 how
Solution
$$\begin{array}{lcl} 3 \text{ shirt} & \rightarrow & \$45 \\ 5 \text{ shirt} & \rightarrow & n. \end{array}$$

7 if 5 pens cost \$10 how
Solution

$$\begin{array}{lcl} 5 \text{ pens} & \rightarrow & \$10 \\ 12 \text{ pens} & \rightarrow & n. \end{array} = \frac{12}{5}$$

8 A class has 18 boys and
To the total number of students

Solution

$$18 + 12 = 30$$

There are 18 boys and 12 girls =

12 If 60% of a number is number n.

Solution

$$\text{Actual profit} = \frac{60}{100} \times 180$$

13 Find the simple interest at 5% per Annum for

Solution

$$\text{First year } S_1 = 10\% \times$$

$$\text{Second year } S_2 = 10\% \times$$

$$\text{Third year } S_3 = 10\% \times$$

14 A sum of 2000 is in
for 3 years compounded
Amount.

Solution