



Seatwork: Kinds of Proportion

Learning Outcomes:

- 1) finds a missing term in a proportion (direct, inverse, and partitive)
- 2) solves problems involving direct proportion, partitive proportion, and inverse proportion in different contexts such as distance, rate and time using appropriate strategies and tools

Direction: Answer the following:

- 1) The ratio of two numbers is 4:7. If the bigger number is 28, what is the smaller number?

- a) How many numbers were given?

There are _____ numbers which were given in our problem.

- b) What kind of numbers are being described in the problem?

The numbers described in the problem are _____ and _____.

- c) What is the ratio of the two numbers?

The ratio of the two numbers are _____.

- d) What is the unknown number?

We are looking for _____.

- e) What is the bigger number that was given in the second ratio?

The bigger number is _____.

2) The ratio of boys to girls in a big school is 5:8. If there are 400 girls, how many boys are there?

Ans: _____

3) The first three terms of a proportion are 12, 15 and 60. Find the fourth term.

Ans: _____

4) A post 8m tall casts a shadow of 11m. A tall building nearby casts a shadow of 55m. How tall is the building?

Ans: _____

5) If 5 men can finish a piece of work in 12 days, how long will it take 3 men to do the same job?

Ans: _____

6) Six pipes can fill a water tank in 18 minutes. Find the time required for 9 pipes to fill in the tanks?

Ans: _____

7) A scoutmaster thought he has enough food to feed 25 scouts in the camp in 8 days. If 40 boys arrive at the camp, how long will the food last?

Ans: _____