Arithmetic section 4.3 Proportions

Proportion: \( \frac{A}{B} = \frac{C}{D} \)

Ex1,
(a) \( \frac{20}{7} = \frac{n}{21} \)

(b) \( \frac{12}{5} = \frac{n}{600} \)

(c) \( \frac{n}{300} = \frac{17}{6} \)

(d) \( \frac{51}{x} = \frac{17}{6} \)

(e) \( \frac{91}{x} = \frac{7}{6} \)

Ex2, 20 jars of jam can serve 250 people. At the same rate, how many people can be served by 50 jars of jam?

Ex3, 3.5 gallons of water is needed to make soup for 56 people. How many gallons of water is needed to make soup for 140 people.

Ex4, Distance between 2 points A and B is 60 miles. On a certain map, the 2 points A and B are 4 inch apart. If the distance between points A and C are 7 inches on the same map, what is the actual distance between points A and C?

Ex5, 12 ounces of sugar is needed to make a 80 quarts of certain kind of drink. At the same rate, how much sugar is needed to produce 140 quarts of that drink?