Codeyoung

Application WS_G8_Direct and Inverse Proportion

1. On a certain map, 1 cm = 12 km actual distance. If two places are 96 km apart, what is their distance on map?

A. 10 cm
B. 12 cm
C. 96 cm
D. 8 cm

2. A person types 360 words in 4 minutes. How much time does he take to type 900 words?
A. 15
B. 90
C. 10
D. 9

3. 3.5 pounds of tomatoes makes enough sauce for 8 servings. This is the ratio 3.5/8. To find how many pounds of tomatoes are needed for 20 servings, set up a proportion and solve with cross multiplication.

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4. 4 pounds of romaine lettuce for 15 servings will result in the ratio 4/15. To find how many pounds are needed for 20 servings, set up a proportion and cross multiply.

5. A special cereal mixture contains rice, wheat and corn in the ratio of 2:3:5. If a bag of the mixture contains 3 pounds of rice, how much corn does it contain?

6. Clothing store A sells T-shirts in only three colours: red, blue and green. The colours are in the ratio of 3 to 4 to 5. If the store has 20 blue T-shirts, how many T-shirts does it have altogether?

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