

Unit 5: Multiplicative Comparison and Measurement

ADVANCED

Name: _____ Date: _____

Solve each problem. Show your work on scratch paper and write the final answer in the blank.

1. A pine tree is 7 times as tall as a young sapling. The sapling is 24 cm tall. How many centimeters tall is the pine tree?

Answer: _____

3. Maya ran 3,600 meters. Convert this distance to kilometers. Write your answer in kilometers.

Answer: _____

5. A tank holds 6 liters of water. A bucket holds 750 milliliters. How many times as much water does the tank hold as the bucket?

Answer: _____

7. Jordan's book collection has 3 times as many books as Kim's. Together they have 128 books. How many books does Jordan have?

Answer: _____

9. A factory produces 6 times as many red pens as blue pens each day. It makes 336 red pens each day. Over 5 days, how many blue pens does it make in total?

Answer: _____

2. A blue whale weighs 4,500 kg. A dolphin weighs 90 kg. The whale's weight is how many times as heavy as the dolphin's weight?

Answer: _____

4. A recipe needs 5 times as much flour as sugar, plus an extra 40 grams of flour. If it uses 150 grams of sugar, how many grams of flour does it use?

Answer: _____

6. A rope is 8 meters 35 centimeters long. A second rope is 2 meters 90 centimeters long. How many centimeters longer is the first rope than the second?

Answer: _____

8. A movie lasts 2 hours 45 minutes. A cartoon lasts 35 minutes. How many minutes longer is the movie than the cartoon?

Answer: _____

10. A bag of apples weighs 3 kg 250 g. There are 6 identical bags. What is the total weight in grams?

Answer: _____

11. Sam is 12 years old. His grandfather is 5 times as old as Sam, plus 3 years. How old is his grandfather?

Answer: _____

12. A container holds 9 liters of juice. It is poured equally into cups that each hold 300 milliliters. How many cups are filled?

Answer: _____