

Unit 1: Introducing Multiplication

ADVANCED

Name: _____ Date: _____

Solve each problem and write your exact answer on the line. Show the number, fraction, or word only.

1. A bakery packs muffins into trays. Each tray holds 8 muffins, and there are 7 trays. Then the baker adds 1 more full tray of 8. How many muffins are there in total?

Answer: _____

3. A classroom has 6 rows of desks with 7 desks in each row. Another classroom has 4 rows of desks with 9 desks in each row. How many desks are there altogether in both classrooms?

Answer: _____

5. A store arranges cans in 8 equal groups. Each group has 9 cans. If the cans are then rearranged into groups of 6 with no cans left over, how many groups of 6 are there?

Answer: _____

7. There are 9 baskets. Each basket holds 6 oranges. If 12 oranges are removed from the total, how many oranges remain?

Answer: _____

9. A farmer plants 7 rows of corn with 8 plants in each row. He plants a second field with 5 rows of 8 plants each. How many corn plants did he plant in total?

Answer: _____

2. A scaled picture graph shows apples sold each day. The key is: 1 picture = 6 apples. Monday has 4 pictures, Tuesday has 5 pictures, and Wednesday has 3 pictures. How many apples were sold in total across the three days?

Answer: _____

4. A bar graph uses a scale where each unit on the axis equals 5 books. One bar reaches the value 9 on the axis and a second bar reaches the value 8. How many more books does the taller bar represent than the shorter bar?

Answer: _____

6. A picture graph key states 1 star = 7 points. Team A earned 6 stars and Team B earned 8 stars. How many total points did both teams earn combined?

Answer: _____

8. A scaled bar graph measures rainfall where each unit equals 4 mm. Week 1's bar is at 7 units, Week 2's bar is at 6 units, and Week 3's bar is at 9 units. What is the total rainfall in mm for all three weeks?

Answer: _____

10. A picture graph uses the key 1 symbol = 9 votes. Candidate X received 7 symbols. Candidate Y received 4 symbols. How many more votes did Candidate X receive than Candidate Y?

Answer: _____

11. A crate holds 6 boxes, and each box holds 8 pencils. If there are 3 identical crates, how many pencils are there in total?

Answer: _____

12. A scaled picture graph shows cookies baked, with a key of 1 picture = 8 cookies. On Friday there are 9 pictures and on Saturday there are 6 pictures. If 15 cookies were eaten from the total, how many cookies are left?

Answer: _____