

Grade 4 Measurement And Geometry Challenge Worksheet Set 006

Grade 4 · Measurement And Geometry · Challenge

Name: _____ Date: _____

Convert measurement units and use angle, area, and perimeter relationships. Label every numerical answer with the requested unit.

1. Convert 23 kilograms to grams.

Answer: _____

2. Find the area of a rectangle 16 units long and 6 units wide.

Answer: _____

3. Find the perimeter of a rectangle 15 units long and 8 units wide.

Answer: _____

4. Classify an angle that measures 71° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 98 square units and one side is 14 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 30 units and one side is 12 units. Find the other side.

Answer: _____

7. A straight angle is split into angles of 103° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 6 by 7 units and 7 by 6 units. Find their total area.

Answer: _____

9. A rectangular garden is 20 m by 5 m. A 2 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 3 m than 45 cm?

Answer: _____

11. Convert 18 liters to milliliters.

Answer: _____

12. Find the area of a rectangle 10 units long and 5 units wide.

Answer: _____

13. Find the perimeter of a rectangle 12 units long and 13 units wide.

Answer: _____

14. Classify an angle that measures 45° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 48 square units and one side is 12 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 18 units and one side is 6 units. Find the other side.

Answer: _____

17. A straight angle is split into angles of 57° and an unknown measure. Find the unknown measure.

Answer: _____

18. Two nonoverlapping rectangles have dimensions 12 by 3 units and 6 by 8 units. Find their total area.

Answer: _____

19. A rectangular garden is 21 m by 10 m. A 3 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 12 m than 508 cm?

Answer: _____

21. Convert 31 kilometers to meters.

Answer: _____

22. Find the area of a rectangle 18 units long and 6 units wide.

Answer: _____

23. Find the perimeter of a rectangle 6 units long and 11 units wide.

Answer: _____

24. Classify an angle that measures 76° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 23000 grams	2. 96 square units
3. 46 units	4. acute
5. 7 units	6. 3 units
7. 77°	8. 84 square units
9. 48 m	10. 255 cm
11. 18000 milliliters	12. 50 square units
13. 50 units	14. acute
15. 4 units	16. 3 units
17. 123°	18. 84 square units
19. 59 m	20. 692 cm
21. 31000 meters	22. 108 square units
23. 34 units	24. acute