

Grade 4 Measurement And Geometry Challenge Worksheet Set 012

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 40 kilograms to grams.

Answer: _____

2. Find the area of a rectangle 18 units long and 10 units wide.

Answer: _____

3. Find the perimeter of a rectangle 6 units long and 14 units wide.

Answer: _____

4. Classify an angle that measures 90° as acute, right, or obtuse.

Answer: _____

5. A rectangle has area 40 square units and one side is 8 units. Find the other side.

Answer: _____

6. A rectangle has perimeter 26 units and one side is 7 units. Find the other side.

Answer: _____

7. A straight angle is split into angles of 75° and an unknown measure. Find the unknown measure.

Answer: _____

8. Two nonoverlapping rectangles have dimensions 10 by 2 units and 5 by 2 units. Find their total area.

Answer: _____

9. A rectangular garden is 8 m by 9 m. A 5 m gate needs no fence. How many meters of fence are needed?

Answer: _____

10. How many centimeters longer is 3 m than 277 cm?

Answer: _____

11. Convert 21 kilograms to grams.

Answer: _____

12. Find the area of a rectangle 17 units long and 3 units wide.

Answer: _____

13. Find the perimeter of a rectangle 4 units long and 12 units wide.

Answer: _____

14. Classify an angle that measures 59° as acute, right, or obtuse.

Answer: _____

15. A rectangle has area 72 square units and one side is 8 units. Find the other side.

Answer: _____

16. A rectangle has perimeter 44 units and one side is 15 units. Find the other side.

Answer: _____

17. A right angle is split into angles of 73° and an unknown measure. Find the unknown measure.

Answer: _____

18. Two nonoverlapping rectangles have dimensions 6 by 4 units and 6 by 4 units. Find their total area.

Answer: _____

19. A rectangular garden is 18 m by 13 m. A 6 m gate needs no fence. How many meters of fence are needed?

Answer: _____

20. How many centimeters longer is 9 m than 766 cm?

Answer: _____

21. Convert 39 hours to minutes.

Answer: _____

22. Find the area of a rectangle 12 units long and 4 units wide.

Answer: _____

23. Find the perimeter of a rectangle 3 units long and 6 units wide.

Answer: _____

24. Classify an angle that measures 42° as acute, right, or obtuse.

Answer: _____

Answer Key

Answers for all 24 questions

1. 40000 grams	2. 180 square units
3. 40 units	4. right
5. 5 units	6. 6 units
7. 105°	8. 30 square units
9. 29 m	10. 23 cm
11. 21000 grams	12. 51 square units
13. 32 units	14. acute
15. 9 units	16. 7 units
17. 17°	18. 48 square units
19. 56 m	20. 134 cm
21. 2340 minutes	22. 48 square units
23. 18 units	24. acute