Grade 8 Geometry Worksheet

Name: _____ Date: _____ Score: _____

Answer each geometry question. Write your answer on the line.

1. A right triangle has legs of 7 and 8. What is the hypotenuse? (Round to 2 decimals)

_____

2. A right triangle has legs of 10 and 8. What is the hypotenuse? (Round to 2 decimals)

_____

3. A right triangle has legs of 4 and 4. What is the hypotenuse? (Round to 2 decimals)

_____

4. A right triangle has a hypotenuse of 5 and one leg of 3. What is the other leg? (Round to 2 decimals)

_____

5. A right triangle has a hypotenuse of 8 and one leg of 4. What is the other leg? (Round to 2 decimals)

_____

6. A right triangle has legs of 6 and 6. What is the hypotenuse? (Round to 2 decimals)

_____

7. A right triangle has a hypotenuse of 8 and one leg of 7. What is the other leg? (Round to 2 decimals)

_____

8. A right triangle has legs of 10 and 7. What is the hypotenuse? (Round to 2 decimals)

_____

9. A right triangle has a hypotenuse of 6 and one leg of 4. What is the other leg? (Round to 2 decimals)

_____

10. A right triangle has legs of 3 and 5. What is the hypotenuse? (Round to 2 decimals)

_____

11. A right triangle has a hypotenuse of 13 and one leg of 4. What is the other leg? (Round to 2 decimals)

_____

12. A right triangle has legs of 12 and 4. What is the hypotenuse? (Round to 2 decimals)

_____

13. A right triangle has a hypotenuse of 15 and one leg of 7. What is the other leg? (Round to 2 decimals)

_____

14. A right triangle has a hypotenuse of 12 and one leg of 6. What is the other leg? (Round to 2 decimals)

_____

15. A right triangle has legs of 4 and 3. What is the hypotenuse? (Round to 2 decimals)

_____

16. A right triangle has legs of 10 and 4. What is the hypotenuse? (Round to 2 decimals)

_____

17. A right triangle has legs of 8 and 11. What is

18. A right triangle has a hypotenuse of 14

19. A right triangle has a hypotenuse of 8

20. A right triangle has a hypotenuse of 10

the hypotenuse? (Round to 2 decimals)

_____

and one leg of 10. What is the other leg? (Round to 2 decimals)

_____

and one leg of 3. What is the other leg? (Round to 2 decimals)

_____

and one leg of 4. What is the other leg? (Round to 2 decimals)

_____

21. A right triangle has legs of 11 and 12. What is the hypotenuse? (Round to 2 decimals)

_____

22. A right triangle has legs of 11 and 10. What is the hypotenuse? (Round to 2 decimals)

_____

23. A right triangle has a hypotenuse of 12 and one leg of 8. What is the other leg? (Round to 2 decimals)

_____

24. A right triangle has legs of 7 and 7. What is the hypotenuse? (Round to 2 decimals)

_____

25. A right triangle has legs of 6 and 4. What is the hypotenuse? (Round to 2 decimals)

_____

26. A right triangle has legs of 6 and 12. What is the hypotenuse? (Round to 2 decimals)

_____

27. A right triangle has legs of 8 and 7. What is the hypotenuse? (Round to 2 decimals)

_____

28. A right triangle has a hypotenuse of 10 and one leg of 9. What is the other leg? (Round to 2 decimals)

_____

29. A right triangle has a hypotenuse of 7 and one leg of 5. What is the other leg? (Round to 2 decimals)

_____

30. A right triangle has legs of 7 and 3. What is the hypotenuse? (Round to 2 decimals)

_____

31. A right triangle has a hypotenuse of 6 and one leg of 5. What is the other leg? (Round to 2 decimals)

_____

32. A right triangle has legs of 3 and 10. What is the hypotenuse? (Round to 2 decimals)

_____

33. A right triangle has a hypotenuse of 13 and one leg of 9. What is the other leg? (Round to 2 decimals)

_____

34. A right triangle has legs of 11 and 6. What is the hypotenuse? (Round to 2 decimals)

_____

35. A right triangle has legs of 3 and 6. What is the hypotenuse? (Round to 2 decimals)

_____

36. A right triangle has legs of 10 and 10. What is the hypotenuse? (Round to 2 decimals)

_____

37. A right triangle has legs of 3 and 9. What is

38. A right triangle has legs of 5 and 4. What is

39. A right triangle has a hypotenuse of 15

40. A right triangle has a hypotenuse of 11

the hypotenuse? (Round to 2 decimals)

_____

the hypotenuse? (Round to 2 decimals)

_____

and one leg of 14. What is the other leg? (Round to 2 decimals)

_____

and one leg of 9. What is the other leg? (Round to 2 decimals)

_____

ANSWER KEY

Grade 8 Geometry Worksheet

1. A right triangle has legs of 7 and 8. What is the hypotenuse? (Round to 2 decimals)
   10.63

2. A right triangle has legs of 10 and 8. What is the hypotenuse? (Round to 2 decimals)
   12.81

3. A right triangle has legs of 4 and 4. What is the hypotenuse? (Round to 2 decimals)
   5.66

4. A right triangle has a hypotenuse of 5 and one leg of 3. What is the other leg? (Round to 2 decimals)
   4

5. A right triangle has a hypotenuse of 8 and one leg of 4. What is the other leg? (Round to 2 decimals)
   6.93

6. A right triangle has legs of 6 and 6. What is the hypotenuse? (Round to 2 decimals)
   8.49

7. A right triangle has a hypotenuse of 8 and one leg of 7. What is the other leg? (Round to 2 decimals)
   3.87

8. A right triangle has legs of 10 and 7. What is the hypotenuse? (Round to 2 decimals)
   12.21

9. A right triangle has a hypotenuse of 6 and one leg of 4. What is the other leg? (Round to 2 decimals)
   4.47

10. A right triangle has legs of 3 and 5. What is the hypotenuse? (Round to 2 decimals)
    5.83

11. A right triangle has a hypotenuse of 13 and one leg of 4. What is the other leg? (Round to 2 decimals)
    12.37

12. A right triangle has legs of 12 and 4. What is the hypotenuse? (Round to 2 decimals)
    12.65

13. A right triangle has a hypotenuse of 15 and one leg of 7. What is the other leg? (Round to 2 decimals)
    13.27

14. A right triangle has a hypotenuse of 12 and one leg of 6. What is the other leg? (Round to 2 decimals)
    10.39

15. A right triangle has legs of 4 and 3. What is the hypotenuse? (Round to 2 decimals)
    5

16. A right triangle has legs of 10 and 4. What is the hypotenuse? (Round to 2 decimals)
    10.77

17. A right triangle has legs of 8 and 11. What is the hypotenuse?

18. A right triangle has a hypotenuse of 14 and one leg

19. A right triangle has a hypotenuse of 8 and one leg of 3.

20. A right triangle has a hypotenuse of 10 and one leg of 4.

(Round to 2 decimals)

13.6

of 10. What is the other leg? (Round to 2 decimals)

9.8

What is the other leg? (Round to 2 decimals)

7.42

What is the other leg? (Round to 2 decimals)

9.17

21. A right triangle has legs of 11 and 12. What is the hypotenuse? (Round to 2 decimals)

    16.28

22. A right triangle has legs of 11 and 10. What is the hypotenuse? (Round to 2 decimals)

    14.87

23. A right triangle has a hypotenuse of 12 and one leg of 8. What is the other leg? (Round to 2 decimals)

    8.94

24. A right triangle has legs of 7 and 7. What is the hypotenuse? (Round to 2 decimals)

    9.9

25. A right triangle has legs of 6 and 4. What is the hypotenuse? (Round to 2 decimals)

    7.21

26. A right triangle has legs of 6 and 12. What is the hypotenuse? (Round to 2 decimals)

    13.42

27. A right triangle has legs of 8 and 7. What is the hypotenuse? (Round to 2 decimals)

    10.63

28. A right triangle has a hypotenuse of 10 and one leg of 9. What is the other leg? (Round to 2 decimals)

    4.36

29. A right triangle has a hypotenuse of 7 and one leg of 5. What is the other leg? (Round to 2 decimals)

    4.9

30. A right triangle has legs of 7 and 3. What is the hypotenuse? (Round to 2 decimals)

    7.62

31. A right triangle has a hypotenuse of 6 and one leg of 5. What is the other leg? (Round to 2 decimals)

    3.32

32. A right triangle has legs of 3 and 10. What is the hypotenuse? (Round to 2 decimals)

    10.44

33. A right triangle has a hypotenuse of 13 and one leg of 9. What is the other leg? (Round to 2 decimals)

    9.38

34. A right triangle has legs of 11 and 6. What is the hypotenuse? (Round to 2 decimals)

    12.53

35. A right triangle has legs of 3 and 6. What is the hypotenuse? (Round to 2 decimals)

    6.71

36. A right triangle has legs of 10 and 10. What is the hypotenuse? (Round to 2 decimals)

    14.14

37. A right triangle has legs of 3 and 9. What is the hypotenuse?

38. A right triangle has legs of 5 and 4. What is the hypotenuse?

39. A right triangle has a hypotenuse of 15 and one leg

40. A right triangle has a hypotenuse of 11 and one leg of 9.

(Round to 2 decimals)

9.49

(Round to 2 decimals)

6.4

of 14. What is the other leg? (Round to 2 decimals)

5.39

What is the other leg? (Round to 2 decimals)

6.32