DarTutors · Direct Variation

Name: Date:

1. y is directly proportional to x. When x = 4, y = 8. Find x when y = 20.

2. y is directly proportional to x. When x = 3, y = 9. Find x when y = 27.

3. y is directly proportional to x. When x = 6, y = 42. Find the constant of proportionality, k, where y = kx.

4. y is directly proportional to x. When x = 7, y = 28. Find x when y = 44.

5. y is directly proportional to x. When x = 7, y = 56. Find y when x = 10.

6. y is directly proportional to x. When x = 11, y = 99. Find x when y = 54.

7. y is directly proportional to x. When x = 10, y = 30. Find y when x = 7.

8. y is directly proportional to x. When x = 2, y = 6. Find y when x = 5.

9. y is directly proportional to x. When x = 12, y = 48. Find y when x = 9.

10. y is directly proportional to x. When x = 2, y = 16. Find x when y = 48.

DarTutors · Direct Variation ANSWER KEY

1. 10

2. 9

3. 7

4. 11

5. 80

6. 6

7. 21

8. 15

9. 36

10. 6

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