

Get better at Math.
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**Adaptive
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For Grades 1 - 10



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Direct Variation Worksheets

1. The area of a square is directly proportional to the square of the length of its side. The area of a square is 144 square units, for a side of length 12 units. What is the area of a square having a side of length 20 units?
2. The cloth required to stitch 40 uniforms is 120 meters. What is the length of the cloth required to stitch for 25 uniforms?
3. $X : 4 = 36 : 16$. What is the value of X ?



4. The cost of a dozen mangoes is \$48. What is the cost of half a score of mangoes?
5. The price of 5 tickets to a musical show is \$450. What is the cost of 13 tickets to the musical show?

6. The cost of one quintal of wheat is \$2000. What is the cost of 5kgs of wheat?
7. The length of a rectangle is double its breadth. The perimeter of a rectangle is six times its breadth. Find the perimeter of a rectangle having a bread of 15 units.
8. A factory provides masks to its worker, while they are at work. The factory required about 12000 masks for a work force of 2000 members. Find the number of masks which would be required for about 500 workers.
9. A car covers a distace of 400 miles in 8 hours. Find the distance covered by the car in 5.5 hours.
10. The area of a circle is directly proportional to its diameter. The area of a circle is 49π square units, for a circle with diameter of 14 units. What is the area of a cirle having a diameter of 10 units?

**When you learn math
in an interesting way,
you never forget.**



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Singapore, India, UAE & more.

Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	400 square units
2)	75 meters
3)	9
4)	\$ 40
5)	\$ 1170
6)	\$ 100

7)	90 units
8)	3000
9)	275 miles
10)	25π square units