

Get better at Math.
Get better at
everything.



Come experience the Cuemath methodology and ensure your child stays ahead at math this summer.



**Adaptive
Platform**



**Interactive Visual
Simulations**



**Personalized
Attention**

For Grades 1 - 10



LIVE online classes
by trained and
certified experts.

Get the Cuemath advantage

Book a FREE trial class

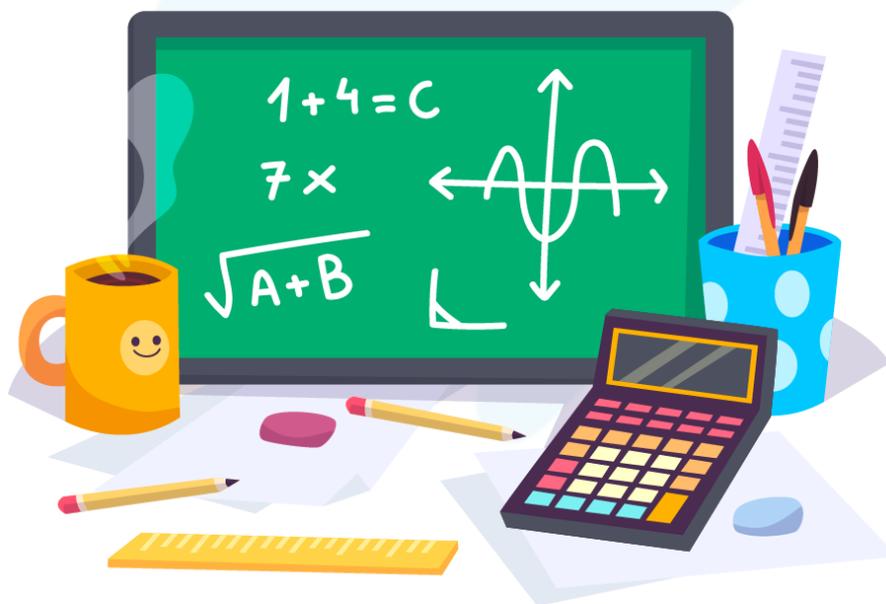
Direct Variation Worksheets

1. The price of 5 apples is \$9. Find the price of 15 apples.

2. $X : 9 = 35 : 63$

3. $13 : 21 = 91 : X$

4. The area of a circle is directly proportional to the square of its diameter. The area of a circle is $\frac{25}{4}\pi$ square units for a diameter of 5 units. What is the area of the circle for a diameter of 8 units?



5. Two quantities X , and Y are related such that X is proportional to the square of Y . For a value of 9 for Y , the value of X is 81. Find the value of Y for which the value of X is 625.

6. The perimeter of a rhombus is directly proportional to the side of the square. The perimeter is 44 units for a side of 11 units. What is the perimeter of the rhombus, if the side of the rhombus is 15 units?

7. As per the law of physics, the force is directly proportional to the acceleration of the body. For a force of 100 newtons the acceleration of the body was 25 m/sec^2 . Find the force on applying an acceleration of 35 m/sec^2 .

8. The quantity **A** varies directly with the quantity **B**. For a value of 20 units for **A** the value of **B** is 120 units. What is the value of **B** for a value of 18 units for **A**?

9. The cost of 8 pair of socks is \$200. Assuming that the cost is directly proportional to the number of pairs of socks, find the cost of 5 pair of socks.

10. The labor cost for construction of a bridge depends on the number of workers involved. For 40 member workers the cost of construction is \$200000. What is the labour cost on involving 100 workers?

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



25 Million

Math classes &
counting

100K+

Students learning
Math the right way

20+ Countries

Present across USA, UK,
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

Get the Cuemath advantage

Book a FREE trial class

**ANSWERS**

1)	\$ 27
2)	5
3)	147
4)	16π square units
5)	25
6)	60 units

7)	140 newtons
8)	108 units
9)	\$ 125
10)	\$ 500000