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For Grades 1 - 10



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## 7<sup>th</sup> Grade Proportions Worksheet

### Questions

1.  $44/36 = P/54$
2.  $18/28 = X/7$
3. Ron takes 30 minutes to walk a distance of 1800meters. Find the time taken by Ron to walk a distance of 3000 meters.



4. Shoan takes 5 hours to complete 4 assignments. Find the time taken to complete 3 assignments.
5. The two quantities A and B are inversely proportional. If A is 5 units, the value of B is 9 units. What is the value of B when A is equal to 15 units?
6. A car takes 5 hours to cover a distance if it is moving with a speed of 40 km/hr. Find the time taken by the car if it is moving with a speed of 50 km/hr.

7. 20 men take 10 days to complete a piece of work. Find the time taken by 8 men to complete the same piece of work.



8. The cost of a dozen mangoes is \$18 . What is the cost of 10 mangoes?
9. The side of a square is directly proportional to the square root of its area. The area of a square is 36 square units when the side of the square is 6 units. Find the area of the square when the side of the square is 10 units.
10. The cost of tamatoes is inversely proportional to the yield of tamatoes. If there is a yield of 20 tons of tamatoes per hector, the per per kg of tamato is \$2. What is the price per kg of tamato when there is yield of 10 tons of tamatoes per hector?

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in an interesting way,  
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## 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)	66
(2)	4.5
(3)	3000 meters
(4)	3hrs, 45 mins
(5)	3 units
(6)	4 hrs
(7)	25 days
(8)	\$15
(9)	100 square units
(10)	\$4