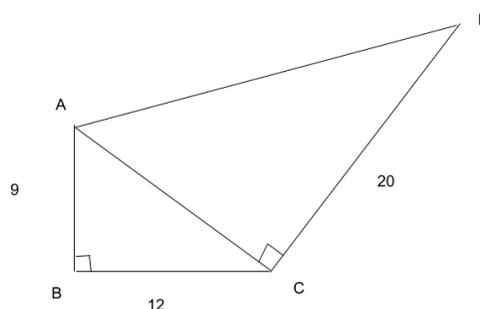
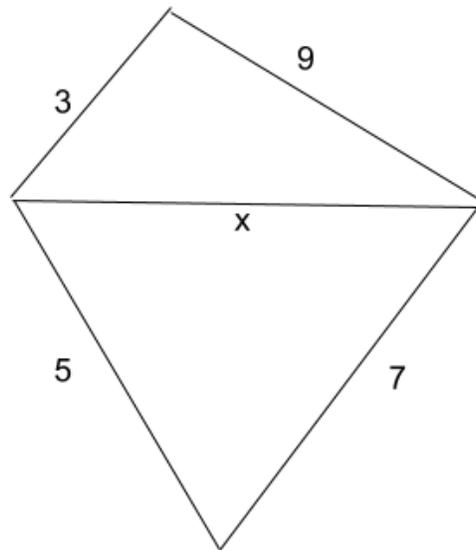


1. Find $(5 - (4 - (3 - (2 - (1 - 0))))))$
2. Yesterday, Abhinav had some money. Today is his birthday, so he gets 3 quarters for his birthday, and his mom gives him an additional 7 nickels for his weekly allowance. He ends up with \$2.45. Find the amount of money he had yesterday.
3. What is the value of $(4 - 2) \times 6 \div 3 - 2$?
4. What is the area of a triangle with a base of length 6 and a height of length 2?
5. Jason reaches school on a normal day in 15 minutes, with no traffic lights. For each traffic light he gets stuck on, he reaches school 4 minutes later. If Jason gets stuck on 3 traffic lights today, and leaves from his house at 7:50, at what time will he reach school?
6. Kevin plays badminton. If Kevin can hit the bird at a speed of 6 meters per second and the distance the bird travels (in a straight line) to his opponent, Tanush, is 42 meters, how long does it take the bird to reach Tanush in seconds?
7. A prime number is a number greater than 1 which is only divisible by 1 and itself. Find the sum of the first 3 prime numbers.
8. Parth can eat 3 Ritz Crackers in 5 minutes. His friend, Suraj, can eat twice as fast as Parth because he is hungry right now. How long will it take for Suraj to eat 12 crackers in minutes?
9. Jeffrey and Annabelle are at Tea Place. The total cost for their drinks is \$9. Jeffrey is trying to be nice, so he decides he will pay for Annabelle, but she insists that she pay 20% of the total cost. In cents, how much money does Annabelle insist on paying?
10. In how many distinct ways can you rearrange the letters of SBMT (they do not have to form a word)?
11. What is the product of the GCD (Greatest Common Divisor) and LCM (Least Common Multiple) of 15 and 5?
12. Bob is a teacher at Mathematics Elementary School. He has a class of 30 students. He wishes to split the class into equally sized groups (there must be AT LEAST 2 groups, and a group may consist of one student). What is the sum of all the possible group sizes?
13. On Monday, an item in a store costs \$90. If the store has a sale of 50% off the item on Tuesday, but on Wednesday the price is raised to 150% of Tuesday's cost, how much does the item now cost?
14. How many two-digit numbers have exactly 3 factors?
15. Rick is taking a 6 problem true/false test that he has not prepared for. Before the test, his teacher tells him that there are either 0 or 3 problems with "True" as answers. What is the maximum amount of problems Rick can guarantee to correctly solve using his teacher's information?
16. Find the least positive integer greater than 2 that has a remainder of 2 when divided by 3, 5, and 6.
17. Find the length of AD in the diagram below with the specified lengths.



18. Parth and Andy both attended math class on Friday. Since then, Parth has attended class once every 15 days, and Andy has attended once every 18 days. What is the day of the week when Parth and Andy next attend math class together?
19. Three different circles and two different lines are drawn on a piece of paper. What is the greatest number of intersections in the diagram?
20. Bob travels to school from his home on 5 different days. On day 1, he travels at 60 miles per hour. On day 5, he travels at 40 miles per hour. Given that the time it takes for him to reach school on these 5 days forms an arithmetic sequence, find the speed in which he travels to school on day 3.
21. A regular polygon has an interior angle measure of 135 degrees. How many diagonals does it have?
22. What is the units digit of $2^{35} \times 13^{31} \times 17^{72}$?
23. How many possible integer lengths exist for x , given the image below?



24. Points A , B , and C are situated on the circumference of a circle such that A and B are endpoints of a diameter. Given that $AC = 6$ and the area of the circle is 25π , find the area of triangle ABC .
25. A ball is dropped from a height of 16 feet. At every bounce, the ball reaches a height of 75% of its previous height. What is the total vertical distance travelled by the ball over an infinite period of time?