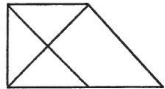


ML Questions

Grades 4-6

- 1) If $a \triangle b = (b + b - a) - (a - b)$, how much larger is $9 \triangle 8$ than $7 \triangle 5$? 1) _____
- 2) Jon has \$1.55 in his pocket all in coins. He only has dimes and quarters. If he has 8 coins, how many dimes does Jon have? 2) _____
- 3) The Jones family has 3 children. Amy's age plus Betty's age add to 29 years. Amy's age plus Carl's age add to 27 years. Betty's age plus Carl's age add to 22 years. The difference between the oldest child and the youngest child is _____ years. 3) _____
- 4) How many triangles are there in the figure at the right?  4) _____
- 5) Jay's math assignment was to do all the odd-numbered problems from 1 up to and including 25. When he finished the problems he was supposed to do, he decided to do 5 more problems. Jay did a total of _____ problems. 5) _____
- 6) Hector has 2 pennies, 2 nickels and 3 dimes. Wonwoo has twice as many pennies, 5 times as many nickels and 3 times as many dimes as Hector. If Wonwoo gives Hector _____¢ then they will have the same amount of money. 6) _____
- 7) If 2 chickens can lay 8 eggs in 3 days, how many eggs can 5 chickens lay in 6 days? 7) _____
- 8) Mr. Chang takes the train into the city 5 days a week to go to work. There are 2 tracks, X and Y, going into the city. At 6 A.M. a train leaves on each track, at the same time, for the city. After that on track X a train leaves every 7 minutes and those on track Y leave every 12 minutes. If Mr. Chang arrives at the station at 7:35 A.M. he will have to wait _____ min. for the next train. 8) _____
- 9) Using only the digits 1, 3, 5, 7, 9, what is the difference between the smallest 5-digit number (using all 5 digits) that can be made and the largest 4-digit number (using 4 of the 5 digits) that can be made? 9) _____
- 10) Maria has 350 baseball cards in her collection. She keeps 160 of them in her closet and 50 in her desk drawer. The remaining cards are equally divided and placed in 5 different piles. How many cards are in each pile? 10) _____

Your answers:

1	6
2	7
3	8
4	9
5	10