

Orange County Math Circle Thanksgiving Tournament
Grade 5 - 6 Target Round

Name:

School:

Grade:

1. Jim cut a log into 5 pieces. If each cut took Jim 5 minutes to make, how many minutes did it take Jim to finish?

_____ (minutes)

2. Michael sold twice as many cookies as cakes and three times as many pies as cakes. If Michael sold 18 pies, how many cookies did he sell?

_____ (cookies)

3. On Dan's final exam, the average of his science, English, and history scores is 65%. When his math, science, English, and history grades are combined, the average score is 66%. What is his math score?

_____ (%)

4. John randomly picks a day in November. What is the probability that the day is a prime number?

_____ (fraction)

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5. If $2\clubsuit 3\clubsuit(4\clubsuit 5) = 120$, what is \clubsuit ? Enter answer as $+$, $-$, \times , \div .

_____ (operator)

6. Justin is making snowballs for his fort. He can make 15 snowballs in one hour, but 2 snowballs melt every 15 minutes. How long will it take to have 210 snowballs?

_____ (hours)

7. Lotion Heaven is having a 15% off sale on all their lotion. Each bottle costs \$4.25 after the discount. Lena bought 12 bottles of Lotion Heaven. How much money did she save?

_____ (dollars)

8. Shelly and Bert left their house at 10:00 AM and started walking to their school at 3 miles per hour. Five minutes later, Shelly realized that she left her lunch at home and told her brother Bert to run and bring it to her. If Bert ran at 6 miles per hour to get the lunch, and Shelly kept walking toward school at the same speed, at what time will Bert catch up to his sister?

_____ (AM)