



# Mental Math 5th/6th

## Person 1

1	Rixing, Venecia, and Diana buy 42 dumplings and divide them evenly among themselves. How many dumplings does Venecia get?
2	For each gold coin Mario collects, he gets 10 points. For each Yoshi coin he collects, he gets 2000 points. If he collects 200 gold coins and 5 Yoshi coins, how many points does he get?
3	What is the sum of the interior angles of a triangle divided by the sum of the interior angles of a rectangle?
4	A birthday cake is shaped like a rectangular prism measuring 14 inches by 10 inches by 6 inches. What is its volume?
5	Ronald McDonald had collected 300 pounds of cheeseburgers. However, the Burger King snuck in and ate 240 pounds of Ronald's burgers. What percent of his original collection does Ronald have now?

## Person 2

1	Hokwen took three biology tests and received scores of 44, 41, and 50. What was his average score?
2	What is 133 divided by 7?
3	Jesse's cell phone screen measures 4 inches by 3 inches. If each square inch of screen contains 100 pixels, how many pixels does the screen have?
4	One night, I look up from my homework and see that it is 3:00am. At this time, what is the measure of the smaller angle between the hour hand and the minute hand of a standard analog clock?
5	Harry Potter likes eating Bernie Bott's Every Flavor Beans. Hermione has charmed all the beans in Harry's bag so there are 2 coffee-flavored jelly beans, 4 lemon-flavored jellybeans, 5 dirt-flavored jellybeans, and 3 earwax-flavored jelly beans. What is the probability that Harry gets a lemon jellybean on his first draw?

### Person 3

1	A rabbit eats one box of Trix cereal on each weekday, plus an additional box of Trix each time a kid tries to steal his Trix. If a kid tried to steal his Trix ten times in a school week, how many boxes of Trix did the rabbit eat that week?
2	It is cloudy with a chance of meatballs! Tifa is eating spaghetti and needs meatballs. She goes outside to gather meatballs at different times during the day, and picks up 4 meatballs at 2:00pm, 9 meatballs at 3:00pm, and 5 meatballs at 4:00pm. What is the average number of meatballs Tifa picked up each time she went outside?
3	If you roll three fair 6-sided dice, what is the probability that all of them will show the same number?
4	Snoopy is waiting for suppertime. He knows that he gets his supper at 6:00 p.m. and it is currently 5:00 p.m. How many degrees will the hour hand travel between now and suppertime?
5	Ron can eat M&Ms at a rate of 15 M&Ms per second. Neville can eat M&Ms at a rate of 30 M&Ms per minute. In the time it takes Ron to finish 30 M&Ms, how many M&Ms has Neville eaten?

### Person 4

1	If a circle has a diameter of 12 centimeters, what is its area in centimeters squared?
2	When Shawn plays Tetris, he clears 4 lines every 10 seconds. If he plays for 3 minutes, how many lines does he clear?
3	It takes Pac-Man 12 seconds to catch one ghost. Each ghost thereafter takes him 3 more seconds to catch than the ghost before it. How long will it take Pac-Man to catch four ghosts?
4	A bowl contains 256 lollipops. If Samir eats 5, Vedant eats 7, and Hojin eats 43, how many lollipops are left in the bowl?
5	What is the product of 1010 and 99?

Are you hungry yet? Go have lunch!

Don't forget that there are goodies available at the concession stand!