

---

**PART A:** Circle the correct answer. Each correct answer is worth **5 points**.

1.  $222 + 222 + 222 + 222 + 222 + 222 = 444 \times ?$   
(a) 3                      (b) 4                      (c) 5                      (d) 6
2. Note that  $2 \times 3 \times 4 \times 5 \times 10 = 1200$ . This has two zero-digits. How many zero-digits are there in the product  $20 \times 30 \times 40 \times 50 \times 100$ ?  
(a) 2                      (b) 5                      (c) 6                      (d) 7
3. Which of the following is not a prime number?  
(a) 41                      (b) 51                      (c) 61                      (d) 71
4.  $(3 + 4)^2 = ?$   
(a) 49                      (b)  $3^2 + 4^2$                       (c) 14                      (d) 9
5. Which of the following is the largest?  
(a) 2.3                      (b) 2.33                      (c) 2.333                      (d)  $2 + 1/3$
6. A rectangle has a length of 6cm and area of  $30\text{cm}^2$ . Find the perimeter of the rectangle.  
(a) 20cm                      (b) 22cm                      (c) 24cm                      (d) 36cm
7. A toy that I bought cost me 2 toonies, 3 loonies, 4 quarters and 15 nickels. I could have paid with \_\_\_\_\_ quarters.  
(a) 24                      (b) 35                      (c) 38                      (d) 47
8. In what month does the 200th day of the year occur?  
(a) May                      (b) June                      (c) July                      (d) August
9. In a race competition, I finished 11th. I was also 11th when counted from the last. If there were no ties, how many kids were in the race?  
(a) 21                      (b) 22                      (c) 23                      (d) 24
10. Bob is 14 years old, and his sister Mary is half of that, i.e. 7 years old. How old will Bob be when Mary will be 14 years old?  
(a) 14                      (b) 21                      (c) 28                      (d) 35



---

**PART C:** Circle the correct answer. Each correct answer is worth **8 points**.

16. My dog runs twice as fast as my cat. My dog is 200 meters away from my home and my cat is 150 meters away. When I called them, they both ran directly home. When my dog got home, how far was my cat from home?
- (a) 25m                      (b) 50m                      (c) 75m                      (d) 100m
17. A watch that uniformly loses 8 minutes every 24 hours was correctly set at 6:00 A.M. on April 20, 2012. What was the time indicated by this watch when the correct time was 12:00 noon on April 25, 2012?
- (a) 11:18AM                      (b) 11:20AM                      (c) 11:40AM                      (d) 11:42AM
18. Ron has 2 pairs of black, 3 pairs of white and 5 pairs of grey socks scattered all around his closet. He is blindfolded. At least how many socks does he need to pull out of the closet to make sure that he will have one pair of each color?
- (a) 6                      (b) 10                      (c) 14                      (d) 18
19. A student writes all the numbers from 1 to 100 on a piece of paper. How many digits are there all together?
- (a) 100                      (b) 190                      (c) 192                      (d) 200
20. Bob is eating an apple. He eats  $\frac{1}{8}$  of the apple in the first bite. He eats  $\frac{1}{4}$  of what is remaining in the second bite. He eats  $\frac{1}{2}$  of the remaining in the third bite. What fraction of the original apple has been eaten after the third bite?
- (a)  $\frac{1}{64}$                       (b)  $\frac{21}{64}$                       (c)  $\frac{43}{64}$                       (d)  $\frac{56}{64}$