**Instructions : Choose the letter of the correct answer. In all cases, E) NOTA means “none of these answers”.**

1. At the Basketball Toss game, the player threw 72 balls towards the basket. Twenty-five percent of the shots went into the basket. How many balls did **not** go into the basket?

**A) 18 B) 33 C) 54 D) 64 E) NOTA**

2. Allison played the Bean Bag Toss game 5 times. The first time she played, she scored 10 points. The second time she got 12 points. The third time, she got 8 points. The fourth time, she got 13 points. The fifth time, she got 17 points. What is the mean of her 5 scores?

**A) 60 B) 15 C) 14 D) 12 E) NOTA**

3. Order these numbers from smallest to largest: 1.3, , ,  , 

**A) , , , ,** 1.3 **B)  , ,  C)  , , **

**D)**  1.3**,   E) NOTA**

4. You walk up to a claw machine and see a variety of toys inside. There are 2 penguin dolls, 4 piggy banks, 3 watches, and 1 cat doll. Given that you win a prize, what is the probability that prize is a piggy bank?

**A)  B)  C)  D)  E) NOTA**

5. If 2 is the first prime number, then what is the 7th prime number?

**A) 7 B) 11 C) 13 D) 21 E) NOTA**

6. On Sunday, 12 people played air hockey. On Monday, 14 people played. On Tuesday, 16 people played. If this rate continues, how many **total** people will have played air hockey by the end of Saturday this week?

**A) 24 B) 126 C) 134 D) 146 E) NOTA**

7. Simplify the following expression:



**A) 45 B) 30 C) 23 D) 15 E) NOTA**

8. What is the greatest common factor of the following numbers: 24, 27, and 48?

**A) 1 B) 2 C) 3 D) 432 E) NOTA**

9. Cecilia is managing the Fish Toss game. There are two types of fish: goldfish and tropical fish. Of all the fishes, 65% are goldfishes. What fraction of the remaining fish are tropical fishes?

**A)** ** B)  C)  D)  E) NOTA**

10. Grace tries to win a prize by having the lady guess the number Grace is thinking of. The number is between 1 and100 and is divisible by 7. Which of the following could be Grace’s number?

**A) 21 B) 24 C) 36 D) 52 E) NOTA**

11. Sophie receives her supplies for Frisbee Toss every Sunday. The box of red Frisbees cost $12.99, the box of blue Frisbees cost $11.99, and a box of hoops cost $14.00. How much did Sophie pay if she purchased one of each item and her change was $1.02?

**A) $60.98 B) $50 C) $40 D) $38.98 E) NOTA**

12. Joyce won many tickets from Skee Ball and went to exchange her tickets for a prize. She told the man that she wanted the prize on row number . On what row does Joyce want a prize from?

**A) 1st row B) 2nd row C) 3rd row D) 5th row**

**E) NOTA**

13. Balloon Darts is a carnival classic where the player attempts to burst as many balloons on the board the player can. Before Ismael can let the players play, he needs to count how many supplies of balloons, thumbtacks, and darts he has. He has a total of 140 supplies. If of the supplies are balloons and  of the supplies are thumbtacks, how many darts does Ismael have?

**A) 20 B) 60 C) 76 D) 84 E) NOTA**

14. What is the least common multiple of the two numbers: 12 and 16?

**A) 4 B) 24 C) 48 D) 168 E) NOTA**

15. What is the next number of the following sequence:

4, 5, 9, 14, 23, 37, 60, \_\_\_\_

**A) 64 B) 79 C) 87 D) 97 E) NOTA**

16. The miniature golf course is in the shape of a triangle with a base of 20 feet and a height of 18 feet. What is the area of the course in square feet? (Hint: Area= base  height)

**A) 460 B) 360 C) 180 D) 108 E) NOTA**

17. After playing in the arcade for three hours, you are left with 3 quarters, 2 dimes, 3 nickels, and 5 pennies. How much money do you have?

**A) $5.00 B) $1.75 C) $1.15 D) $0.12 E) NOTA**

18. Nick won 25 tickets at the arcade. He wants to get glow-in-the-dark vampire fangs. One set of vampire fangs costs 6 tickets. With 25 tickets, how many whole glow-in-the-dark vampire fangs can Nick get?

**A) 3 B) 4 C) 5 D) 6 E) NOTA**

19. At the Bean Bag Booth, you can win a prize by throwing as many bean bags as you can into the bucket in 1 minute. If you threw a bean bag into the bucket every 3 seconds, how many bean bags are in the bucket at the end of two and one-half minutes?

**A) 20 B) 40 C) 50 D) 60 E) NOTA**

20. Ismael has very good aim. He won a baker’s dozen prizes from the coin toss. How many prizes did he win?

**A) 32 B) 13 C) 12 D) 2 E) NOTA**

21. Which of the following numbers is divisible by 3?

**A) 718237 B) 1098329 C) 4012839 D) 82750181**

**E) NOTA**

22. Ally’s brother, Jack, sees a prize that he really wants. The lady tells him that he can have it if she can guess his age. She asks for three hints. These are the three hints:

I. Ally’s younger sister, Laurie, is four years younger than Jack.

II. Ally is two years older than Laurie.

III. Ally is  years old.

What is the age the lady should guess for Jack?

**A) 22 years old B) 20 years old C) 18 years old D) 16 years old E) NOTA**

23. Wayne wishes to put all the prizes he won into a cube shaped box. The box has a side length of 3 feet. If the box is completely filled with Wayne’s prizes, what is the volume of box in cubic feet?

s

s

s

**A) 9 B) 18 C) 27 D) 36 E) NOTA**

24. Ally, Grace, Jeongmin, and Jeffery are forming a line to get tokens at the arcade. What place is **Grace** in line if:

I. Grace likes to poke Ally and Ally chooses not to stand by Grace in line.

II. Grace brought snacks, so Jeffery must stand right behind Grace.

III. Ally is afraid of being the line leader, so she chooses to be last.

IV. Jeongmin always has to be right in front of Ally.

**A) 1st B) 2nd C) 3rd D) 4th E) NOTA**

25. Nicholas always orders too many prizes for his booth. Nicholas has to take home boxes of the leftover prizes. What is the improper fraction for the number of boxes Nicholas has to take home?

1. ** B)  C)  D)  E) NOTA**

For questions 26 and 27 use the following information:

Each carnival game needs a number attached on the front of the game so that people can find the games easily with a map. However, there was a mess up when the numbers were printed. The following numbers were printed instead:

1 2 5 5 4 6 8 4 11 4 4 4 20 5 2

26. Find the mode of the numbers printed.

**A) 2 B) 4 C) 5 D) 6 E) NOTA**

27. Find the median of the numbers printed.

**A) 4 B) 4.5 C) 5 D) 6 E) NOTA**

28. Find angle x.

x



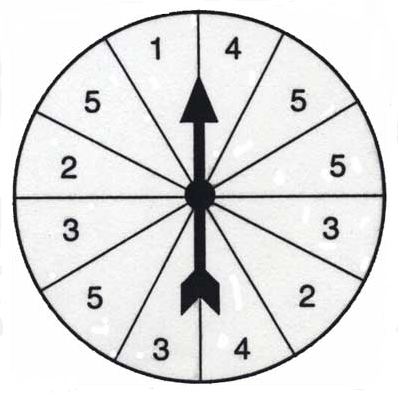
1. **25° B) 30° C) 45° D) 60° E) NOTA**

29. Jimmy has 50 boxes of rubber balls and there are 50 rubber balls per box. If Jimmy gave away 500 rubber balls, how many full boxes of rubber balls does he have left? Assume the first box must be full before starting on the second box, the second box must be filled before starting on the third box, and so on.

**A) 2000 boxes B) 50 boxes C) 40 boxes D) 20 boxes**

**E) NOTA**

30. What is the probability of the spinner landing on an odd number? Assume all “slices” on the spinner are the same area.



**A)  B)  C)  D) **

**E) NOTA**