1. Which number has a 3 in the tens place and a 3 in the hundreds place?

(a) 2363   (b) 2633   (c) 3326   (d) 2336   (e) 3263

2. What does 1 represent in the number 1023?

(a) 1   (b) 10   (c) 100   (d) 1000   (e) 10000

3. What is 2393 rounded to the nearest hundred?

(a) 2000   (b) 2300   (c) 2390   (d) 2400   (e) 3000

4. What is the digit in the ones place of $2 + 3 + 4 + 5 + 6$?

(a) 0   (b) 1   (c) 2   (d) 3   (e) 4

5. What is the digit in the tens place of $2 \times 3 \times 4 \times 5$?

(a) 4   (b) 3   (c) 2   (d) 1   (e) 0

6. A pie was divided into sixths. John ate $\frac{1}{6}$ of the pie. Jenna ate $\frac{2}{6}$ of the pie, Ryan ate $\frac{1}{6}$ of the pie. How much of the pie was left?

(a) $\frac{1}{6}$ (b) $\frac{2}{6}$ (c) $\frac{3}{6}$ (d) $\frac{4}{6}$ (e) $\frac{5}{6}$

7. Tony has $4.00 to buy an airplane that costs $3.82. How much change should he get back?

(a) $0.1   (b) $0.12   (c) $0.18   (d) $0.2   (e) $0.22

8. Four children earned $60 from selling cookies. They decided to divide the money equally. How much money did each of the four children get?

(a) $10   (b) $15   (c) $56   (d) $64   (e) $240

9. $8000 - 4359$

(a) 3640   (b) 3641   (c) 3642   (d) 3643   (e) 3644

10. Which number is 4 more than 2493?

(a) 2489   (b) 2491   (c) 2494   (d) 2495   (e) 2497

11. There were 4837 pieces of candy in a jar. If 339 pieces were blue and the rest were red, how many were red?

(a) 4496   (b) 4497   (c) 4498   (d) 4499   (e) 4500

12. On Saturday, 2410 people visited the aquarium. Two times as many people visited on Sunday than on Saturday. How many people visited the aquarium on Sunday?

(a) 2408   (b) 2412   (c) 4800   (d) 4820   (e) 4880

13. 3724×3

(a) 3721 (b) 3727 (c) 11172 (d) 11177 (e) 11192

14. David has 135 rocks in his rock collection. He divides the rocks into five equal piles. How many rocks are in each pile?

(a) 27 (b) 130 (c) 140 (d) 145 (e) 675

15. Which expression shows 3 less than 19?

(a) 15 (b) 16 (c) 22 (d) 57 (e) 67

16. If apples are on sale for 3 for $1.00, how much will 6 apples cost?

(a) $1.50 (b) $1.75 (c) $2.00 (d) $2.33 (e) $2.66

17. Given the pattern

$$4, 8, 12, 16, 20, x$$

what is x?

(a) 22 (b) 23 (c) 24 (d) 25 (e) 26

18. If $4 \times 5 \times x = 120$, what is x?

(a) 4 (b) 5 (c) 6 (d) 7 (e) 111

19. Which of the following is the largest?

(a) $1\frac{1}{2}$ (b) $1\frac{2}{3}$ (c) $1\frac{3}{4}$ (d) $1 - \frac{1}{3}$ (e) $1 + \frac{1}{3}$

20. Which of the following is the smallest?

(a) $-\frac{3}{4}$ (b) $-\frac{4}{3}$ (c) -1.5 (d) $-1\frac{2}{3}$ (e) $-1\frac{1}{3}$

21. Which set of fractions is ordered from greatest to least?

(a) $\frac{1}{2} > \frac{1}{3} > \frac{2}{5}$ (b) $\frac{1}{3} > \frac{1}{2} > \frac{2}{5}$ (c) $\frac{2}{5} > \frac{1}{3} > \frac{1}{2}$ (d) $\frac{2}{5} > \frac{1}{2} > \frac{1}{3}$ (e) $\frac{1}{2} > \frac{2}{5} > \frac{1}{3}$

22. Compute $1 + \frac{1}{2} - \frac{1}{3} + \frac{1}{4}$.

(a) $\frac{5}{24}$ (b) $\frac{7}{24}$ (c) $\frac{11}{24}$ (d) $\frac{17}{12}$ (e) $\frac{19}{12}$

23. If $\frac{x}{2} + \frac{x}{3} = \frac{5}{3}$, what is x?

(a) 1   (b) 2   (c) 3   (d) 4   (e) 5

24. There are 15 gumballs in a gumball machine. There are 3 red, 2 yellow, 3 green, 2 orange and 5 blue gumballs. What color is MOST likely to come out of the machine next?

(a) red   (b) yellow   (c) green   (d) orange   (e) blue

25. John wants to insert the number 4 somewhere between the digits of the number 2015, to make a five-digit number that is as small as possible. Where should John insert the number 4?

(a) in front of 2   (b) in front of 0   (c) in front of 1   (d) in front of 5   (e) after 5

26. Sahn wants to donate books in his two bookshelves. The first bookshelf has 4 shelves with 16 novels on each shelf. The second bookshelf has 4 shelves with 14 science books on each shelf. Every book has the same size so Sahn evenly distributed those books into five boxes for packing. How many books will there be in each box?

(a) 64   (b) 56   (c) 120   (d) 24   (e) 12

27. Jacob built fewer sandcastles than Isaac but more than Sarah. Paul built more sandcastles than Jacob and more than Isaac. Sunny built more sandcastles than Isaac but fewer than Paul. Who built the most sandcastles?

(a) Isaac   (b) Jacob   (c) Sarah   (d) Sunny   (e) Paul

28. Sahn and Dule made 5 goals in a soccer game together. Bada and Sahn made 4 goals together in the same game. If Dule made 2 goals in the game, how many goals did Bada make?

(a) 0   (b) 1   (c) 2   (d) 3   (e) 4

29. There were some candies in a bowl. Sally took half of the candies. Then Tom took half of the candies left in the bowl. After that, Clara took half of the remaining candies. In the end there were 6 candies in the bowl. How many candies were there in the bowl at the beginning?

(a) 12   (b) 18   (c) 20   (d) 24   (e) 48

30. There are 7 chairs, each of which has 4 legs. There are 4 tables, each of which has 3 legs. How many legs are there if we put all the chairs and tables together?

(a) 28   (b) 12   (c) 16   (d) 30   (e) 40

31. The sum of the digits of the number 2014 is 7. How many numbers between 100 and 1000 also have 7 as the sum of their digits?

(a) 3   (b) 18   (c) 20   (d) 28   (e) 36

32. Sahn is preparing for a big vocabulary test. He learns 15 new words every day. How many days will it take Sahn to learn all 105 words on his list?

(a) 5   (b) 6   (c) 7   (d) 8   (e) 9

33. Rabbit Borya likes cabbage and carrots very much. Each day, he eats either 9 carrots, or 2 heads of cabbage, or 1 head of cabbage and 4 carrots. Last week, Borya ate 30 carrots. How many heads of cabbage did he eat last week?

(a) 6   (b) 7   (c) 8   (d) 9   (e) 10

34. Bada's mother is three times older than Bada. If Bada's mother is 36 years old, how old is Bada?

(a) 10   (b) 11   (c) 12   (d) 13   (e) 14

35. Mr. McDonald sold 50 of his cows on the first day at a fair. He sold another 20 cows on the second day. He bought 35 new cows on the third day. Then, he had 130 cows in his ranch. How many cows did Mr. McDonald have in the beginning?

(a) 165   (b) 235   (c) 105   (d) 205   (e) 200

36. Uncle Ted served in the military for 45 months, and then he attended college for 4 years. How long did Uncle Ted spend in military and college?

(a) 49 months   (b) 83 months   (c) 7.25 years   (d) 7.5 years   (e) 7.75 years

37. A soccer coach is selecting a team amongst players who are from 20 to 35 years old. At least how many players should be selected for the team so that, for certain, two players are of the same age?

(a) 14   (b) 15   (c) 16   (d) 17   (e) 20

38. Hana has 17 hours before her math exam. She plans to sleep for 8 hours, eat for 30 minutes three times, exercise for one hour and 30 minutes twice, practice piano for an hour, and play with her brother for 2 hours. How long can she study math?

(a) 5 hours and 30 minutes
(b) 4 hours and 30 minutes
(c) 3 hours and 30 minutes
(d) 2 hours and 30 minutes
(e) 1 hours and 30 minutes

39. Four workers are building a house. In five days they built half the house. But winter is coming and they want to finish building the house in two more days. How many friends should the workers call for help, if they do not want to bother more people than is necessary?

(a) 2   (b) 4   (c) 6   (d) 7   (e) 10

[1] (d)   [11] (c)   [21] (e)   [31] (d)

[2] (d)   [12] (d)   [22] (d)   [32] (c)

[3] (d)   [13] (c)   [23] (b)   [33] (b)

[4] (a)   [14] (a)   [24] (e)   [34] (c)

[5] (c)   [15] (b)   [25] (d)   [35] (a)

[6] (b)   [16] (c)   [26] (d)   [36] (e)

[7] (c)   [17] (c)   [27] (e)   [37] (d)

[8] (b)   [18] (c)   [28] (b)   [38] (e)

[9] (b)   [19] (c)   [29] (e)   [38] (e)

[10] (e)   [20] (d)   [30] (e)   [39] (c)