Numeracy

1. John played three games of basketball. In game 1 he scored 17 points, game 2 he scored 20 points, and game 3 he scored 35 points. Which number sentence could be used to find John's total score?

    a. $17 + 20 + 35 = 72$
    b. $17 - 20 + 35 = 56$
    c. $20 + 17 - 35 = 63$
    d. None of the above

2. Patrick opens a savings account. He deposits $6 every week, until the fifth week he decided to deposit $10. What is the total amount of money in Patrick's savings account?

    a. $24
    b. $32
    c. $34
    d. $28

3. The third number in the pattern is 3.50. Each number in the pattern is formed by adding 0.25 from the previous number. What is the fifth number in the pattern?

    a. 4.25
    b. 4.50
    c. 3.75
    d. 4.00

4. Six friends are planning a trip to Disney. What is the total cost of the trip for the whole group?
        *Food costs $15 per person.
        *Tickets cost $27 per person.
        *The rented car cost $300 for the whole group.

    a. $570
    b. $469
    c. $420
    d. $552

5. Which decimal is equivalent to $\frac{1}{4}$?

    a. 0.5
    b. 0.4
    c. 0.15
    d. 0.25

6. The price of the shoes is $350. The shoe went on sale for 30% off. What is the sale price of the shoes?

a. $105
b. $245
c. $305
d. $275

7. There are two buses. One bus has 24 passengers, while the other has 16. How many passengers does the first bus need to give for the total number of each bus to be identical?

a. 5
b. 6
c. 4
d. 3

8. Charles bought a dog. He records the number of treats his dog can eat every week. If this pattern continues, how many treats can his dog finish in the fourth week?

1st week	2nd week	3rd week	4th week
2	5	8	?

a. 12
b. 9
c. 11
d. 7

9. Jannah had 43 stickers. She gave an equal number of stickers to 10 friends. She gave each friend as many stickers as possible and kept the rest for herself. How many stickers did Pippa keep for herself?

a. 3
b. 5
c. 6
d. 9

10. What is the next number in this pattern?
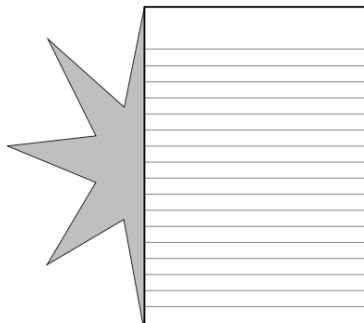Three   7   eleven   15   nineteen   ?

a. 22
b. 23
c. 21
d. 20

11. The second number in a pattern is 1.65. Each number in the pattern is formed by adding 0.35 from the previous number. What is the sixth number in this pattern?

    a. 2.70
    b. 3.05
    c. 3.15
    d. 2.95

12. Jodi placed a piece of paper along a line of symmetry on her star. How many points does Jodi's star have?

    a. 5
    b. 9
    c. 7
    d. 8

13. The concert started at 6:30pm and lasted for $3\frac{1}{2}\ hours$. Bea went straight home after the concert finished, she took $\frac{1}{4}$ of an hour to get home. What time did bea reach home?

    a. 10:00pm
    b. 10:30pm
    c. 10:15pm
    d. 10:45pm

14. Patrick wants to find the missing number below.
    $? - 56 = 37$
    Which of these could Patrick use to find the missing number?

    a. $56 - 37$
    b. $37 + 56$
    c. $37 - 56$
    d. 56×37

15. Jonas earns money each week for doing small jobs. For each job he earns $3. He records the number of jobs he does in one week in a table.

Jobs	Number of times in a week
Washing cars	4 times

Walking the dogs	3 times
Baby sitting	5 times

If Jonas does the same job for four weeks, how much money will he earn altogether?

    a. $144
    b. $156
    c. $80
    d. $62

16. Which decimal is equivalent to $\frac{3}{5}$?

    a. 0.60
    b. 0.40
    c. 0.45
    d. 0.75

17. This table shows the length and width of four rectangles in meters.

Rectangle	Length (m)	Width (m)
A	7	4
B	12	7
C	15	12
D	16	10

Which rectangle has a perimeter of 54 meters?

    a. Rectangle A
    b. Rectangle B
    c. Rectangle C
    d. Rectangle D

18. The regular price for skinny jeans is $32.75, if the skinny jeans went on sale for 30% off. How much would it cost now?

    a. $22.93
    b. $26.50
    c. $21.75

d. None of the above

19. Jannah, Jodi and Chesca share a bag of candies. Jannah and Jodi each get $\frac{2}{13}$ of the candies in the bag. What fraction of the bag of candies is left for Chesca?

   a. $\frac{11}{13}$

   b. $\frac{9}{13}$

   c. $\frac{6}{13}$

   d. $\frac{7}{13}$

20. Bronny has 45 twenty-cent coins. How much money does he have altogether?

   a. $45.20
   b. $450
   c. $20
   d. $9

21. Joey and Peter decided to do a bike race. They started at 4:30pm, if Peter finished the race 35 minutes after they started, and Joey 10 minutes after Peter was done. At what time did Joey finish the race?

   a. 5:25pm
   b. 5:15pm
   c. 5:30pm
   d. 5:00pm

22. A couple is planning to go on a day trip to Disney. If the food per person costs $35, tickets cost $18 per person, and the fuel they used to drive to disney cost at around $150. What is the total cost of the trip?

   a. $205
   b. $207
   c. $203
   d. $201

23. If Josh had $500 this month and used 25% of it before the end of the month. How much does Josh have left?

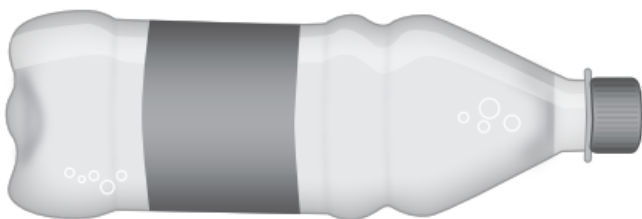   a. $125
   b. $250
   c. $375
   d. $320

24. Brian saved up money for three days. He saved up $15 the first day, $7 the second day and $32 the last day. Which number sentence could be used to find Brian's total savings after three days?

    a. $15 - $7 + $32
    b. $15 + $7 + $32
    c. $32 - $15 - $7
    d. None of the above

25. Rosa gets 15 cents for every bottle she recycles. If Rosa recycles 20 bottles. How much money will she get?

    a. $3.00
    b. $25
    c. $15
    d. 15 cents

26. Russel's book has more than 673 pages but less than 715 pages. Which of these could be the number of pages in Russel's book?

    a. 670
    b. 718
    c. 692
    d. 658

27. Harry uses the number sentence $15 \times 8 = 120$ to solve a problem. Which problem could he solve with this number sentence?

    a. Harry has 15 balls and gives one to each of his friends. How many balls can he give?
    b. Harry has 8 friends, he decides to give them 15 pieces of candies each. How many candies did Harry have?
    c. Harry has 15 ice creams and shares them to 8 of his friends. How many ice creams does Harry have left?
    d. None of the above

28. What is the missing number in this pattern?
       1   3   4   6   7   9   ?

a. 10
b. 11
c. 12
d. 13

29. A father gave 7 chocolates to 4 of his children. Which of the following can be used to find how many chocolates did the father have in total?

a. $7 + 4 + 4 + 4 + 4$
b. 7×4
c. $4 + 4 + 4 + 4$
d. $7 - 4 - 4$

The following information is for the next three questions

3	7	11	?
5	?	13	17
7	11	?	19

30. If you add all the numbers in the first row, what will be the answer?

a. 35
b. 38
c. 36
d. 37

31. If you add the missing number in the second row and the last number in the third row. What is your answer?

a. 27
b. 29
c. 26
d. 28

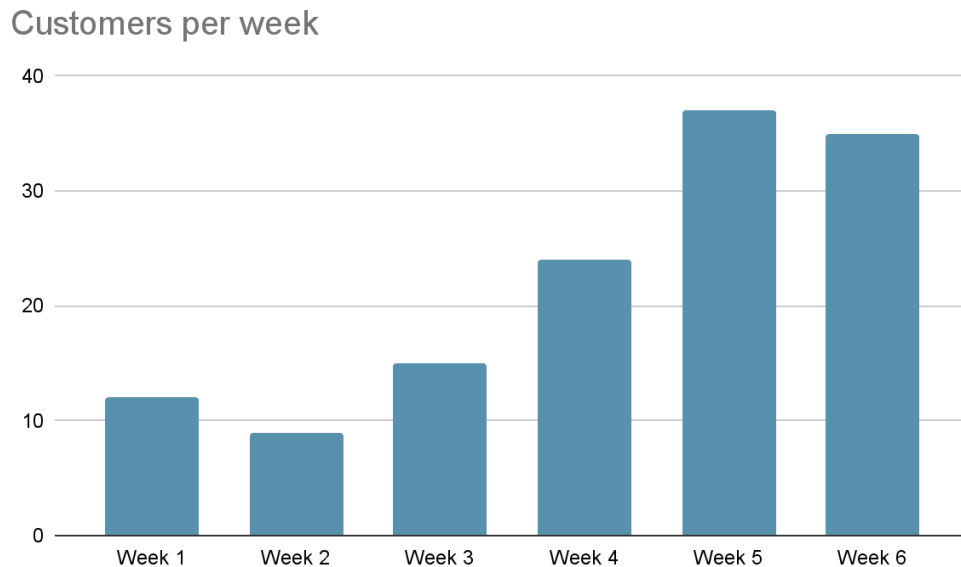32. Add all the numbers in the last two columns. What is the answer?

a. 106
b. 90
c. 86
d. 110

33. How do you put this into a number sentence? *Five multiplied by four minus 8 plus six is equal to?*

    a. $5 \times 4 - 8 + 6 =$
    b. $5 + 4 \times 8 + 6 =$
    c. $8 + 6 \times 5 + 4 =$
    d. $6 + 8 - 5 \times 4 =$

The following table is related to the next three questions.

Customers per week

An aspiring chef opened a small restaurant to see if he got what it takes. Listen on the chart above is the average number of customers he gets per week.

34. Which week did the chef get the highest average number of customers?

    a. Week 6
    b. Week 3
    c. Week 5
    d. Week 4

35. Which is the top 2 lowest selling weeks for the chef?

    a. Week 3 and Week 4
    b. Week 1 and Week 2
    c. Week 2 and Week 3
    d. Week 1 and Week 4

36. What week did the chef start to grow his number of customers?

    a. Week 3
    b. Week 1
    c. Week 2
    d. Week 4

37. Solve the grid puzzle below. What is the missing number?

4	8	16
3	6	12
7	?	28

    a. 16
    b. 12
    c. 14
    d. 18

38. Choose the correct numbers to complete the number sentence.
      $6 + ? - 7 + ? = 32$

    a. 15, 18
    b. 13, 17
    c. 18, 24
    d. None of the above

39. What is 40% of 600?

    a. 360
    b. 280
    c. 300
    d. 240

40. Complete the number pattern.
      3   9   ?   6561

    a. 72
    b. 81
    c. 90
    d. None of the above