1. Four chocolate pieces can be kept in a wooden box. How many boxes of same size needed for 32 chocolate pieces?

(a) 7

(c) 8

(b) 6

(d) 5

2. Apple juice costs $3.29 a gallon. What is the cost in dollars,to fill a can which holds 33 gallons?

(a) 108.57

(c) 107.57

(b) 105.57

(d) 106.57

3. John purchased 12 cotton shirts for $144. How much did each shirt cost in dollars?

(a) 144

(c) 13

(b) 12

(d) 14

4. Which of the following fraction represents the mixed number 5 8/3?

(a) 22/3

(c) 21/3

(b)25/3

(d) 23/3

5. The sound of thunder needs five seconds to travel a mile. How far are you away from the thunder, if it takes 55 seconds to reach you?

(a) 10

(c) 11

(b) 9

(d) 10.5

6. Stella goes to the pet store and she buys a rabbit and a goldfish. She spends $24.00 in total. The rabbit costs twice as much as the goldfish, how much does she pay for the Rabbit in dollars?

(a) 16

(c) 17

(b) 18

(d) 19

7. The reduced fraction of 0.82 is

(a) 39/50

(c) 41/50

(b) 43/50

(d) 47/50

8. Jessy is earning $2500 a month. She received a 4% pay raise. How much is she earning now in dollars?

(a) 2600

(c) 2700

(b) 2800

(d) 2900

9. Kevin is having a garden whose measurements are 30 feet by 40 feet. He wants to put a sidewalk around the garden that is 3 feet wide. What is the outside perimeter of the sidewalk, in feet?

(a) 161

(c) 162

(b) 163

(d) 164

10. There are 12 families like watching sports for every 100 families with T.V sets. In a city of 23,400 families who all have TV sets, how many families would like watching sports?

(a) 2805 (c) 2806

(b) 2807 (d) 2808

11. Peterson had $57 of game dollars at the end of the game. While playing the game he won $200, lost $150, won $25, lost $10, and lost $35. How much had Peterson had at the beginning in dollars?

(a) 27 (c) 28

(b) 29 (d) 30

12. The number of lines of symmetry for a square is

(a) 3 (c) 4

(b) 5 (d) 6

13. Lily is one year younger to her husband Jack. If 650 is the product of their ages,. How old is Lily in years?

(a) 24

(c) 25

(b) 26

(d) 27

14. Cameroon is tossing a fair coin two times. What is the probability for getting two heads?

(a) 3/4

(c) 1/2

(b) 5/4

(d) 1/4

15. A shirt is sold for $20.00 by a cloth store. The store has decided to raise the price by 20%. After a few days, again they decided to raise the price another 20%. What is the price of the shirt now?

(a) 28.4

(c) 28.5

(b) 28.8

(d) 28.9

16. The list price of a calculator is $130. Amy got 20% discount on list price while buying it. How much did she pay for the calculator?

(a) 104 (c) 105

(b) 106 (d) 107

17. The ratio of boys to girls on the St.Jhon's Math Team was 2:3. Four boys joined the team and the ratio changed to 4:5. How many boys are now on the St.Jhon' Math Team?

(a) 24 (c) 26

(b) 28 (d) 30

18. The sum and product of the two numbers are 9 and 20 respectively. Which of the smallest of those two numbers?

(a) 5 (c) 6

(b) 3 (d) 4

19. The cost 6-inch diameter pizza is $8.00 while the cost of 12-inch diameter pizza is $16.00. Which is the better deal?

(a) First
(c) Second
(b) Both
(d) None of these

20. In which quadrant does the point (-3,4) lie on ?

(a) 1st
(c) 2nd
(b) 3rd
(d) 4th

21. How many numbers are divisible by 7 between 10 and 50 ?

(a) 3
(c) 4
(b) 5
(d) 6

22. An urn contains red, green and blue marbles. Keshia is told 60% of the marbles are blue and that the bag contains 23 red marbles and 33 green marbles. How many blue marbles are in the urn?

(a) 56

(c) 84

(b) 60

(d) 88

23. The number of perfect squares between 10 and 103 is

(a) 8

(c) 6

(b) 7

(d) 5

24. Mark bought two types of plants at a nursery for his garden. Each plant of first type cost $3 and each plant of second type cost $4. If he had spent exactly $18 to buy both the types, how many plants of first type would he have bought?

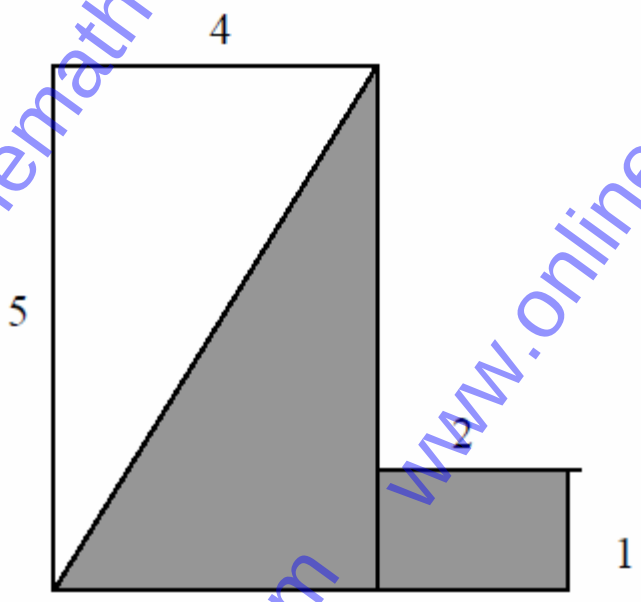
(a) 2

(c) 3

(b) 4

(d) 5

25.



The area of the shaded portion in the above figure

(a) 11

(c) 13

(b) 12

(d) 14

26. Find the greatest common factor of 24 and 30?

(a) 5

(c) 4

(b) 3

(d) 6

27. The value of 5 cubed times 2 squared is

(a) 500

(c) 450

(b) 300

(d) 250

28. In how many ways, Can five people stand in a line for a photograph?

(a) 118

(c) 120

(b) 122

(d) 123

29. Michael and David went on a three day hike. They hiked 10 miles per day. The first day they took 3 hours of hiking to travel 10 miles. On the second day they took 5 hours. If the average rate of speed for the entire trip was 2.5 miles per hour, how many hours of hiking did they take to travel 10 miles on the third day?

(a) 5

(c) 3

(b) 4

(d) 2

30. The value of 25 factorial divided 24 factorial is

(a) 23

(c) 24

(b) 25

(d) 26

31. The percentage of prime numbers greater than 1 through 1 to 10?

(a) 40 %

(c) 45%

(b) 35%

(d) 25%

32. Three numbers are chosen randomly between 1 to 10 (Inclusive). If the product of those three numbers is 24 and the sum is 10, then those three numbers are

(a) 1,2,3

(c) 2,3,4

(b) 3,4,5

(d) 4,5,6

33. If the sum of the radius and the diameter of a circle is 9, then the circumference of this circle?

(a) 6π (c) 5π

(b) 4π (d) 3π

34. 18 is A % of 60. What is the value of A?

(a) 10% (c) 15%

(b) 25% (d) 30%

35. The average of three consecutive natural numbers is 24. The difference between the largest and the smallest of these three numbers is ?

(a) 21,22,23 (c) 23,24,25

(b) 26,27,28 (d) 30,31,32

36. Peter is twice as old as Ronald and Ronald is twice as old as Daniel. If Daniel is 12 years old, how old is Peter in years?

(a) 44
(c) 48
(b) 46
(d) 50

37. In the first 25 positive natural, 5 even numbers are removed, then percent of the remaining even numbers out of the 25 numbers is

(a) 28
(c) 29
(b) 30
(d) 31

38. The reduced form of the fraction (585/3315) is

(a) 2/17
(c) 4/17
(b) 1/17
(d) 3/17

39. The reciprocal of the sum of four sevenths and seven fourths is

(a) 28/65

(b) 32/65

(c) 65/28

(d) 65/32

40. The largest prime factor of 30 times 40 times 50 is

(a) 4

(b) 5

(c) 6

(d) 7

41. If a 6-sided dice is rolled twice, then the probability for a sum of 2 or 12 is

(a) 2/18

(b) 3/18

(c) 1/18

(d) 5/18

42. The two angles of a triangle are complementary. Then, the measure of the third angle is

(a) 85

(c) 70

(b) 65

(d) 90

43. There are 9 soup cans in a row and 8 are stacked on top, then 7, then 6 and so forth until there is only 1 can stacked on the very top. How many soup cans were used to form this arrangement?

(a) 44

(c) 46

(b) 45

(d) 47

44. How many positive single digit prime numbers greater than one is there?

(a) 4

(c) 5

(b) 6

(d) 7

45. How many positive even prime numbers are there?

(a) 0 (c) 2

(b) 1 (d) 3

46. If the product of 3 and x^2 is 48, then the value of "x" is

(a) 2 (c) 4

(b) 3 (d) 5

47. The sum of the Interior and exterior angles of a triangle is

(a) 180 (c) 360

(b) 540 (d) 720

48. If the radius and height of a right circular cylinder are 8 and 5 respectively, then the volume of the cylinder is

(a) 320π

(c) 322π

(b) 321π

(d) 323π

49. A group of 2000 bees can make 7 jars of honey in one year. How long will it take for 5000 bees to make 70 jars of honey (in years)?

(a) 1

(c) 3

(b) 2

(d) 4

50. The radius and height of a cone is 7/2 and 12 respectively. What is the volume of the cone?

(a) 49π

(c) 47π

(b) 48π

(d) 46π

Answers					
1. c	2. a	3. b	4.d	5.c	6.a
7. b	8. a	9. d	10. c	11. a	12. c
13. c	14. d	15. b	16. a	17. a	18. d
19. c	20. c	21. d	22. c	23. b	24. a
25. b	26. d	27. a	28. c	29. b	30. b
31. a	32. c	33. a	34. d	35. c	36. c
37. a	38.d	39. a	40. b	41. c	42. d
43. b	44. a	45. b	46. c	47. b	48.a
49.d	50. a				