

1. In a quiz, positive marks are given for correct answer and negative marks are given for incorrect answer. If Jack's scores in five successive rounds were 25, -5, -10, 15 and 10, what was his total at the end?

(a) 48

(c) 35

(b) 21

(d) 53

2. At London temperature was -5°C on Monday and then it dropped by 2°C on Tuesday. What was the temperature of London on Tuesday?

(a) -8°C

(c) -3°C

(b) -10°C

(d) -7°C

3. Find the value of "a-(-b)" when a = 118 and b = 125

(a) 243

(c) 265

(b) 373

(d) 438

4. In a quiz, team A scored -40, 10, 0 and team B scored 10, 0, and -40 in three successive rounds. Which team scored more?

(a) Team A

(c) Team B

(b) Scores of both team are equal

(d) None of these

5. Find the product of the following $(-18) \times (-10) \times 9$

(a) 1440

(c) 2440

(b) 1720

(d) 1620

6. A cement company earns a profit of \$8 per bag of white cement sold and a loss of \$5 per bag of grey cement sold. If the company sells 3000 bags of white cement and 5000 bags of grey cement in a month. What is its profit or loss?

(a) Profit of \$1000

(c) Loss of \$1000

(b) No profit no gain

(d) None of these

7. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?

(a) -27°C

(c) -1°C

(b) -10°C

(d) -7°C

8. An elevator descends into a mine shaft at the rate of $6\text{m}/\text{min}$. If the descent starts from 10m above the ground level, how long will it take to reach -350m ?

(a) 5 hours

(c) 2 hours

(b) 3 hours

(d) 1 hour

9. Multiplicative identity of any whole number is

(a) 1

(c) 0

(b) -1

(d) 2

10. Michael finished coloring a picture in $\frac{7}{12}$ hour. Vaibhav finished coloring the same picture in $\frac{3}{4}$ hour. Who worked longer?

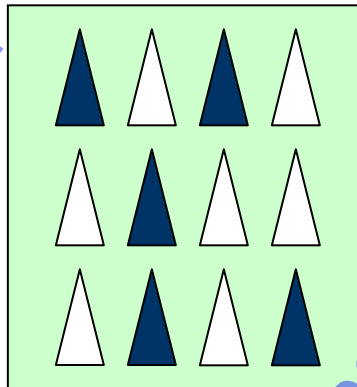
(a) Michael

(c) Vaibhav

(b) Both are equal

(d) None of these

11. Write the below shaded portion using fraction



(a) $\frac{8}{12}$

(c) $\frac{3}{12}$

(b) $\frac{5}{12}$

(d) $\frac{7}{12}$

12. Alan and Alex went for a picnic. Their mother gave them a water bottle that contained 5 liters of water. Alan consumed $\frac{2}{5}$ of the water. Alex consumed the remaining water. How much water did Alan drink?

(a) 1 liter

(c) 3 liters

(b) 5 liter

(d) 2 liters

13. A car runs 16 km using 1 liter of petrol. How much distance will it cover using $1\frac{1}{4}$ liters of petrol?

(a) 45 km

(c) 37 km

(b) 40 km

(d) 44 km

14. Which of the following symbol makes the sentence true?

0.5 _____ 0.05

(a) $>$

(c) $<$

(b) \geq

(d) \leq

15. Eric's father's age is 5 years more than three times Eric's age. If Eric's father's age is 44 years, then what is Eric's age?

(a) 33

(c) 39

(b) 13

(d) 15

16. Solve for "n"

$$3n+7=25$$

(a) 3

(c) 6

(b) 15

(d) 10

17. People in a street planted trees in the village garden. Some of the trees were fruit trees. The number of non - fruit trees were two more than the three times the number of fruit trees. What was the number of non fruit trees if the number of non fruit trees planted were 77?

(a) 25

(c) 27

(b) 10

(d) 30

18. Find the complement angle of the following angle:



(a) 17°

(c) 27°

(b) 37°

(d) 117°

19. Find the supplementary angle of 63°

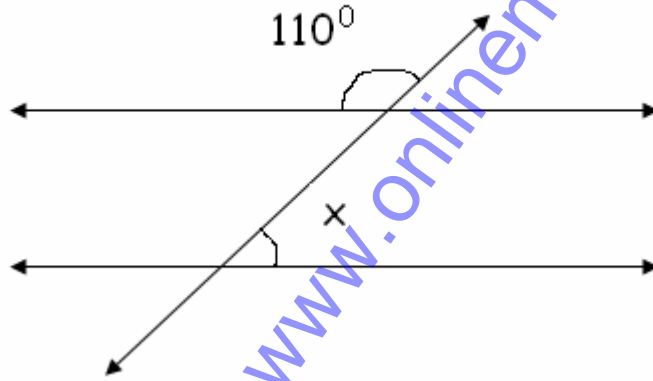
(a) 17°

(c) 27°

(b) 37°

(d) 117°

20. Find the value of x in the following figure



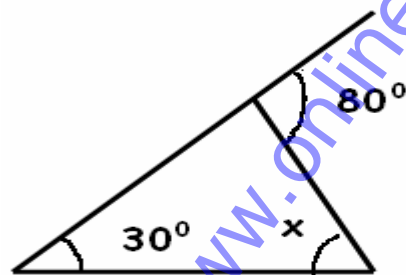
(a) 70°

(c) 27°

(b) 37°

(d) 117°

21. Find the value of x



(a) 70°

(c) 27°

(b) 37°

(d) 50°

22. In triangle ABC is right angled at C . If $AC = 5\text{cm}$ and $BC = 12\text{cm}$ find the length of AB .

(a) 13 cm

(c) 11 cm

(b) 12 cm

(d) 15 cm

23. A tree is broken at a height of 5m from the ground and its top touches the ground at a distance of 12m from the base of the tree. Find the original height of the tree.

(a) 12 m

(c) 18 m

(b) 8 m

(d) 6 m

24. A 15m long ladder reached a window 12m high from the ground on placing it against a wall at a distance a . Find the distance of the foot of the ladder from the wall.

(a) 9 m

(c) 13 m

(b) 5 m

(d) 7 m

25. 6 bowls cost \$90. What would be the cost of 10 such bowls?

(a) \$140

(c) \$160

(b) \$90

(d) \$150

26. The car that I own can go 150 km with 25 liters of petrol. How far can it go with 30 liters of petrol?

(a) 136 km

(c) 159 km

(b) 180 km

(d) 282 km

27. Out of 25 children in a class, 15 are girls. What is the percentage of girls?

(a) 40%

(c) 60%

(b) 50%

(d) 80%

28. Out of 15000 voters in a consistency, 60% voted. Find how many actually did not vote?

(a) 7000

(c) 4500

(b) 6000

(d) 9000

29. The population of a city decreased from 25000 to 24500. Find the percentages of decrease.

(a) 2%

(c) 3%

(b) 6%

(d) 4%

30. A wire is in the shape of a square of side 10 cm. If the wire is rebent into a rectangle 12 cm find its breadth.

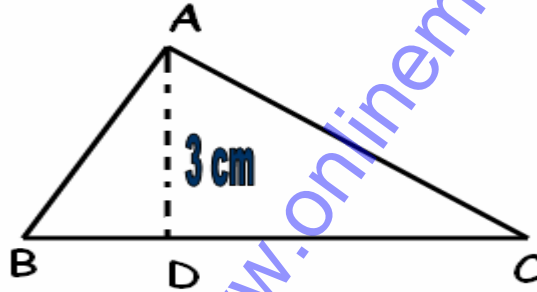
(a) 8 cm

(c) 10 cm

(b) 9 cm

(d) 11 cm

31. Find BC, if the area of the triangle is 36 cm^2 and the height AD is 3cm.



(a) 34 cm

(c) 15 cm

(b) 24 cm

(d) 26 cm

32. The radius of the circular pipe is 10 cm. What length of a tape is required to wrap once around the pipe ($\pi = 3.14$)?

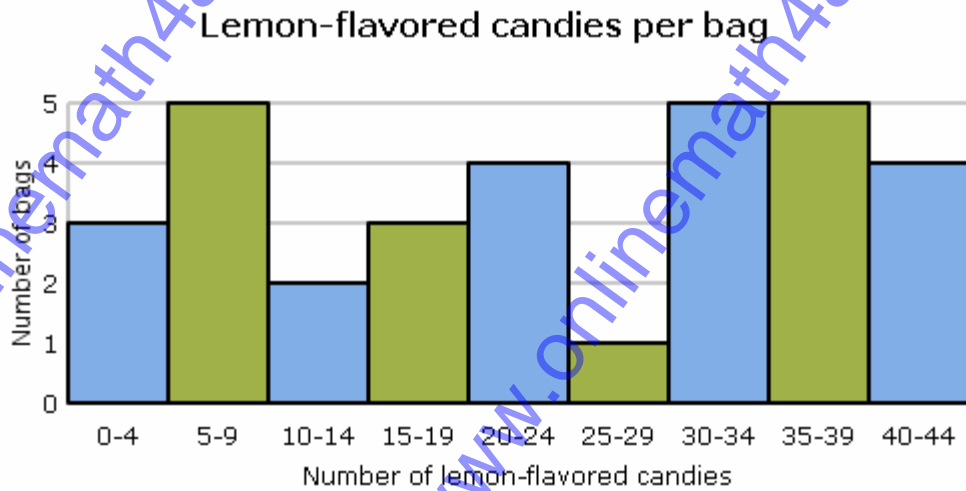
(a) 72.8 cm

(c) 62.8 cm

(b) 52.5 cm

(d) 152 cm

33.



Which range of lemon-flavored candies per bag occurred least frequently?

(a) 5-9 lemon flavored Candies

(c) 15-19 lemon flavored candies

(b) 25-29 lemon flavored Candies

(d) 30-34 lemon flavored candies

34. Find the volume of the following cylinder. (Use $\pi = 3.14$)

7cm



(a) 536.2 cm^2

(c) 335.24 cm^2

(b) 428.5 cm^2

(d) 549.5 cm^2

35. Provide the scientific notation for the following value
6,887,000

(a) 68.87×10^5

(c) 688.7×10^4

(b) 6.887×10^6

(d) 6887×10^3

36. Owen has two pieces of cable, one 9 feet long and the other 6 feet long. For a science project, he wants to cut them up to produce many pieces of cable that are all of the same length, with no cable left over. What is the greatest length, in feet, that he can make them?

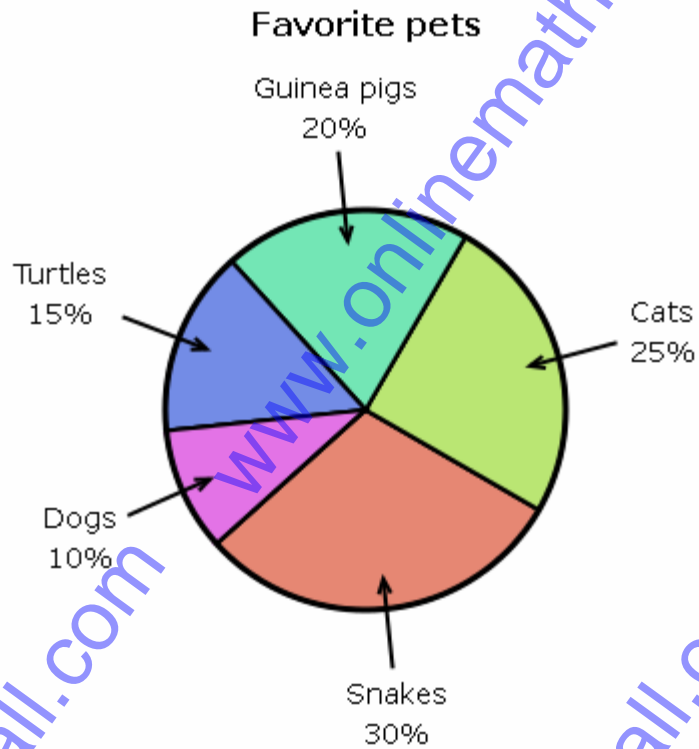
(a) 3 feet

(c) 2 feet

(b) 1 feet

(d) 7 feet

37.



Which list is arranged from favorite pet to least favorite pet?

- (a) Snakes, cats, Guinea pigs, turtles, dogs
- (b) Cats, turtles, Guinea pigs, snakes, dogs
- (c) Snakes, turtles, dogs, Guinea pigs, cats
- (d) Snakes, turtles, cats, Guinea pigs, dogs

38. Virginia is buying pens and pencils from the store. Pens come in packages of 5, but pencils are sold in packages of 8. If Virginia wishes to purchase the same number of pens as pencils, what is the smallest number of pens that she can buy?

(a) 60

(c) 40

(b) 50

(d) 70

39. Solve the following $21 \div (6 - 3)$

(a) 4

(c) 3

(b) 7

(d) 6

40. Find the value of 93^2

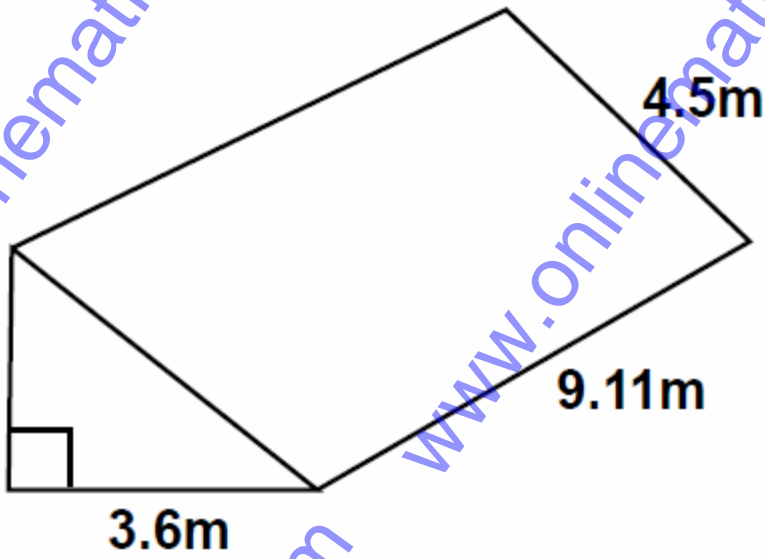
(a) 8669

(c) 8449

(b) 8559

(d) 8649

41. Find the surface area of the following shape



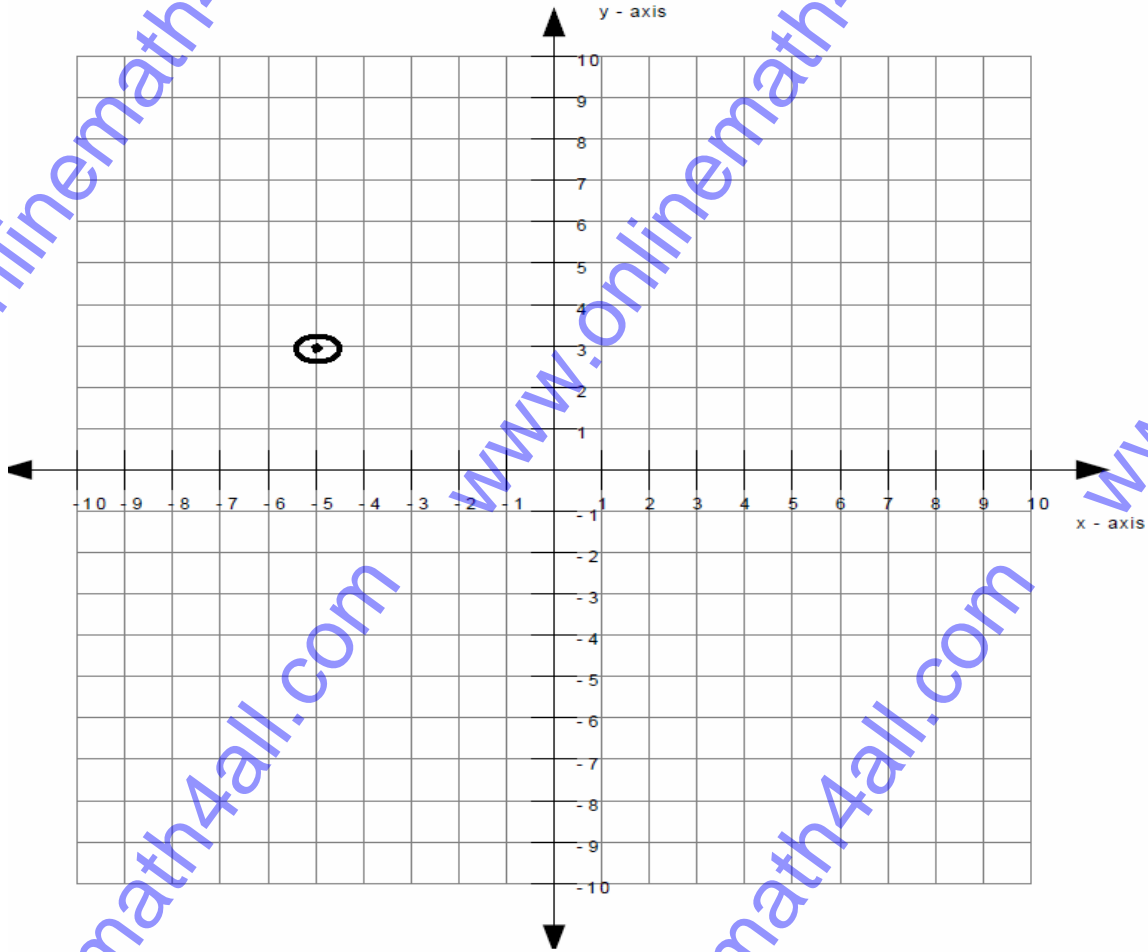
(a) 108 m^2

(c) 142 m^2

(b) 140 m^2

(d) 168 m^2

42. Write x and y coordinates of a point marked in the graph



(a) (5,2)

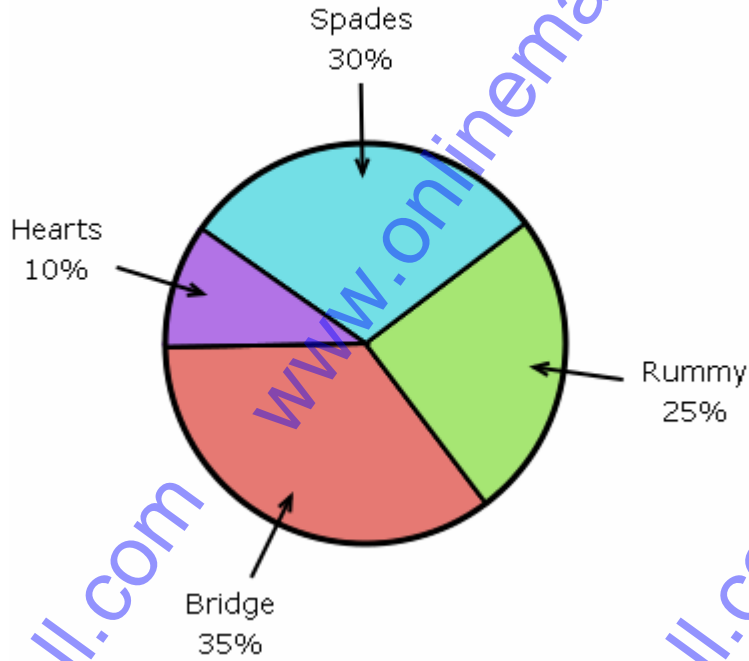
(c) (-5,3)

(b) (2,5)

(d) (3,4)

43.

Favorite card games



Which received the more votes?

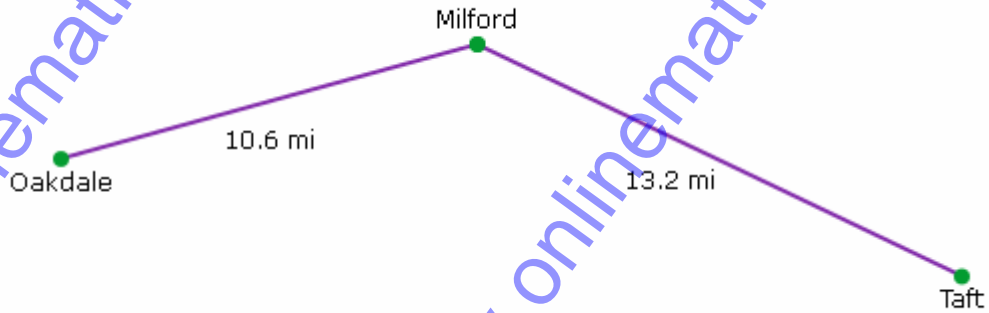
(a) Spades

(c) Hearts

(b) Bridge

(d) Rummy

44.



How far is it from Oakdale to Taft?

(a) 23.8 mi

(c) 16.48 mi

(b) 32.23 mi

(d) 24.14 mi

45. A carpenter bought a piece of wood that was 6.5 meters long. Then he sawed 3.17 meters off the end. How long is the piece of wood now?

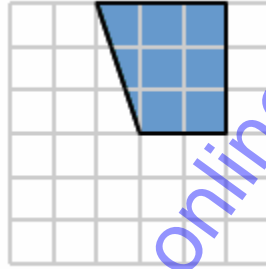
(a) 3.33

(c) 2.44

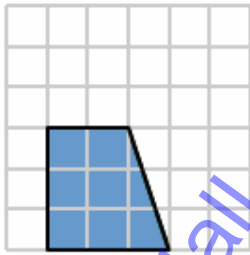
(b) 9.67

(d) 16.6

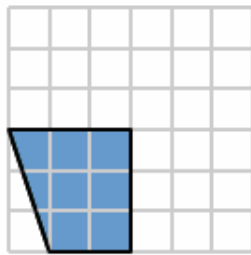
46.



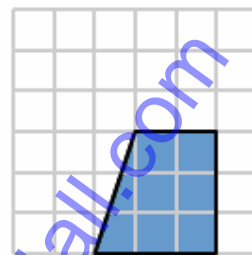
Which of the following picture shows the rotation of the above picture?



A



B



C

(a) A

(c) C

(b) B

(d) None of these

47. How many sides does a quadrilateral have?

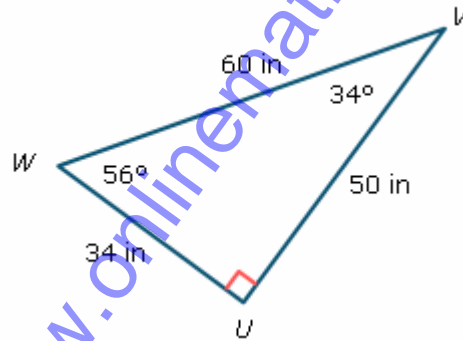
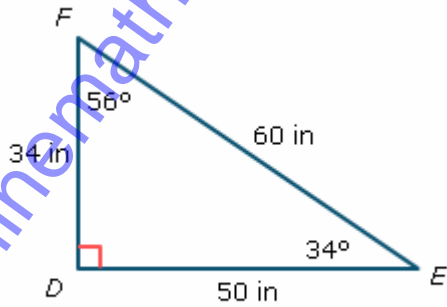
(a) 1

(c) 7

(b) 3

(d) 4

48.



(a) $\overline{EF} \cong \overline{UV}$

(c) $\angle D = \angle W$

(b) $\overline{FD} = \overline{VW}$

(d) $\overline{FD} = \overline{UW}$

49. Solve for x

$$x^2 = 25$$

(a) 5

(c) 0

(b) 3

(d) 4

50. Simplify the following:

$$50 - (42 \cdot 2)$$

(a) 34

(c) -34

(b) 45

(d) 30

Answers

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