

1. Write the Roman numerals for the number "30"

(a) X

(c) XX

(b) XXXX

(d) XXXX

2. Write the number for the Roman numeral "LV"

(a) 55

(c) 65

(b) 85

(d) 75

3. Find the value of $73,45,234 + 45,32,356 + 27,426 - 15,32,736$

(a) 1,03,72,288

(c) 1,03,73,280

(b) 1,33,72,280

(d) 1,03,72,280

4. In a public examination 5, 72, 348 candidates appeared and 3, 88, 256 candidates passed. How many failed?

(a) 184092

(c) 175200

(b) 184009

(d) 184409

5. At a sports Day Celebration the children of school sit in rows, each row containing 50 children. There are 21 complete rows, and 12 children who are left sit in a separate row. How many children are present for the Celebration?

(a) 1162

(c) 1062

(b) 1206

(d) 1620

6. A book contains 648 pages. 16500 copies of the book are printed. What is the total number of pages?

(a) 1690000

(c) 10692000

(b) 10692500

(d) 10962000

7. A tub can contain 35 liters of water. How many tub- fulls of water can a tank containing 2205 liters make?

(a) 65

(c) 45

(b) 63

(d) 70

8. A bus can take 64 passengers in a trip. How many bus trips are required to clear 1664 pilgrims who had gathered for a festival?

(a) 26

(c) 23

(b) 43

(d) 33

9. In a division, the divisor is 54, the quotient is 142, and the remainder is 35. Find the dividend.

(a) 7236

(c) 7703

(b) 7426

(d) 7123

10. How many different words can be formed by using the letters in the word "SQUARE"?

(a) 1020

(c) 820

(b) 920

(d) 720

11. Find the greatest number which divides 63 and 80 leaving the remainders 3 and 5 respectively.

(a) 15

(c) 12

(b) 17

(d) 19

12. Three boys start running round a circular track in a sports stadium. They start at the same time and run in the same direction. The first boy takes 10 minutes to go round once, second boy takes 12 minutes and third boy takes 15 minutes to go round once. After how many minutes will they be together again?

(a) 16 min

(c) 60 min

(b) 20 min

(d) 70 min

13. In a school of students are arranged in rows for mass drill. If 28, 35 or 42 students are kept in a row and no row is kept incomplete, every time 10 students are left over. Find the least number of students assembled for the parade.

(a) 530

(c) 630

(b) 430

(d) 730

14. Complete the following

H.C.F

4

32

?

288

L.C.M

(a) 36

(c) 40

(b) 11

(d) 9

15. In a class of 40 children, 23 are boys, the rest are girls. Express the number of boys to the number of children in the class

(a) $28/40$

(c) $23/40$

(b) $17/40$

(d) $7/40$

16. A fruit merchant took 100 mangoes to the market. He sold 84 mangoes. Write the number of mangoes that remained as a fraction of the number that he sold

(a) $5/84$

(c) $16/84$

(b) $6/84$

(d) $2/84$

17. A family requires 2.5 liters of milk per day. How much milk would the family require in a month of 31 days?

(a) 73.5

(c) 75.2

(b) 77.5

(d) 76.5

18. A fruit merchant bought mangoes in bulk. He sold $\frac{5}{8}$ of the mangoes $\frac{1}{16}$ of the mangoes were spoiled. 300 mangoes remained with him. How many mangoes did he buy?

(a) 580

(c) 960

(b) 690

(d) 630

19. There are 5 twine balls. The length of the threads are 120.5m, 112.8 m, 108.7 m, 115.4 m and 124.4 m. What is the total length of the thread in the twine balls?

(a) 568.8

(c) 580.62

(b) 851.2

(d) 581.8

20. Richard planned to drive 600 km in one day. He drove 100.8 km before breakfast and 256.2 km after breakfast and before lunch. He drove the rest of the distance after lunch. How many kilometers has he drive after lunch?

(a) 243 km

(c) 280 km

(b) 288 km

(d) 298 km

21. A bottle contains .057 liters of ink. How many liters of ink would be required to fill 20000bottles?

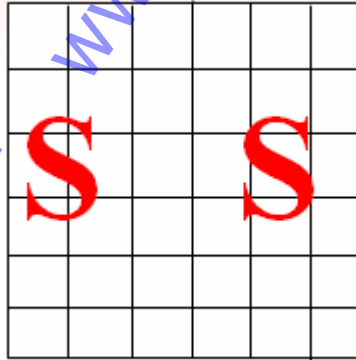
(a) 1110 L

(c) 1220 L

(b) 1330 L

(d) 1140 L

22. Which single transformation is shown below?



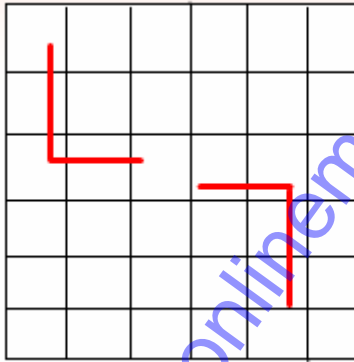
(a) Translation

(c) Rotation

(b) Reflection

(d) None of these

23. Which single transformation is shown below?



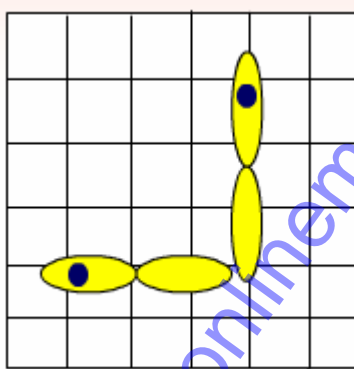
(a) Translation

(c) Rotation

(b) Reflection

(d) None of these

24. Which single transformation is shown below?



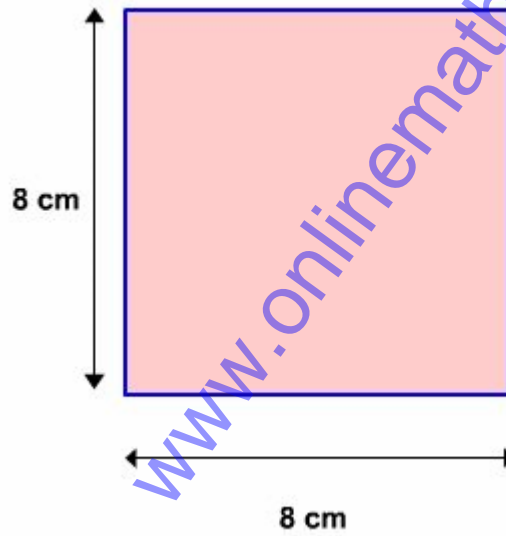
(a) Translation

(c) Rotation

(b) Reflection

(d) None of these

25. Find the perimeter of the following



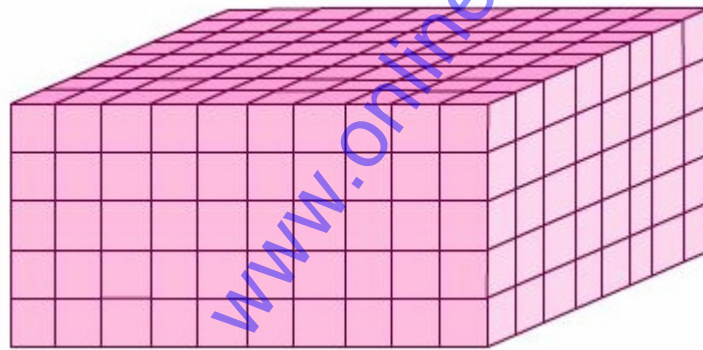
(a) 16 cm

(c) 64 cm

(b) 32 cm

(d) 8 cm

26. Find the volume of the below cube



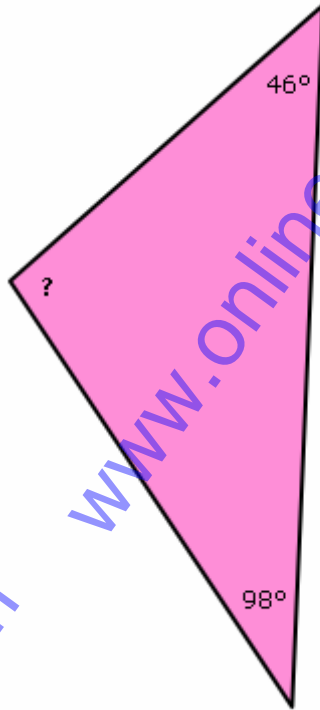
(a) 800 cubic units

(c) 500 cubic units

(b) 300 cubic units

(d) 400 cubic units

27. What is the measure of the missing angle?



(a) 45

(c) 25

(b) 28

(d) 36

28. Find the missing term in the following

$$\begin{array}{r} 7, 0 \ 9 \ 9 \\ - 5, 6 \ 3 \ 9 \\ \hline 1, 4 \ \square \ 0 \end{array}$$

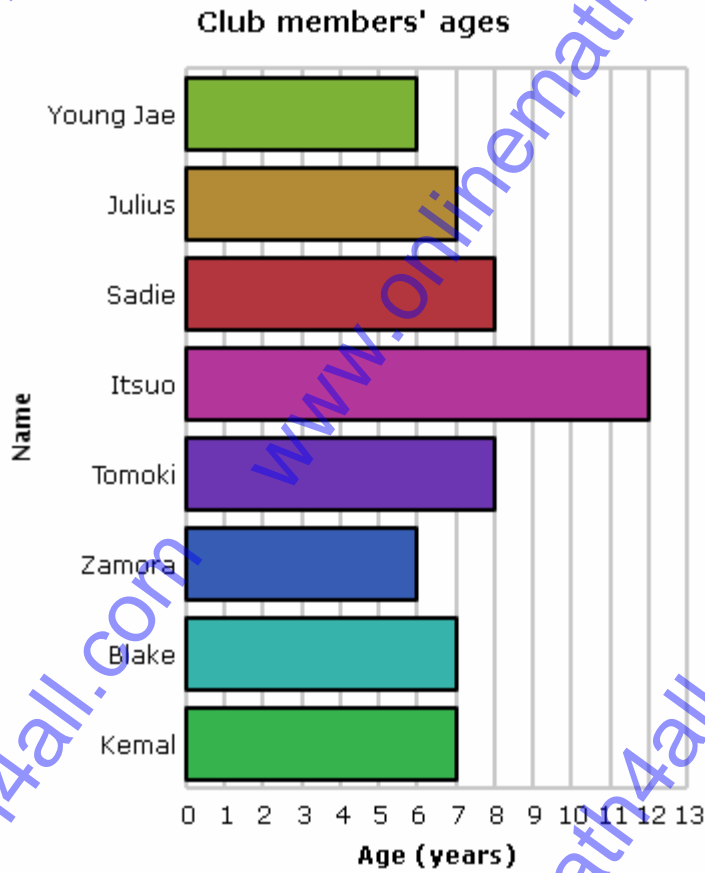
(a) 4

(c) 6

(b) 2

(d) 3

29. The science club made a table showing the ages of its members.



What is the range of the numbers?

(a) 8

(c) 6

(b) 7

(d) 5

30. The school district compared how many math teachers each high school has.

| Math teachers | |
|-----------------|-------------------------|
| High school | Number of math teachers |
| River High | 15 |
| Moore High | 18 |
| Hillview High | 15 |
| Lincoln High | 20 |
| Thompson High | 18 |
| Washington High | 18 |
| Green High | 15 |

What is the mean of the numbers?

(a) 15

(c) 18

(b) 16

(d) 13

31. 5 has what ratio to 15?

(a) One third

(c) one half

(b) three fourths

(d) two thirds

32. The baseball team won 2 games. They played 17 games total. Which ratio shows how many games they lost?

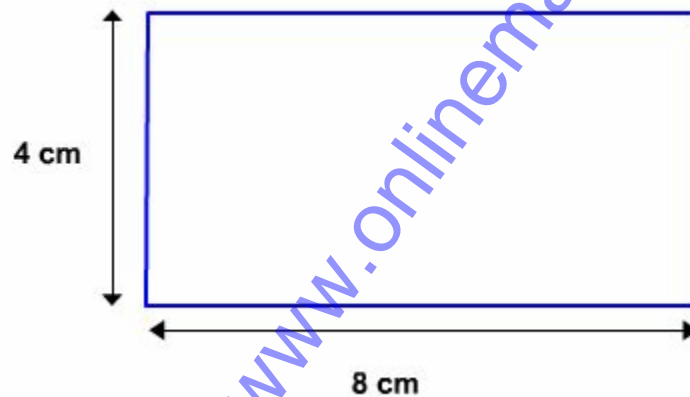
(a) 2:17

(c) 15:17

(b) 17:2

(d) 17:15

33. Find the perimeter of the following



(a) 24 cm

(c) 28 cm

(b) 32 cm

(d) 50 cm

34. Where should addition signs to be placed between digits of the number 987654321 to get a total of 90?

(a) $9 + 8 + 76 + 5 + 4 + 3 + 21$ (c) $9 + 8 + 7 + 6 + 54 + 3 + 2 + 1$

(b) $9 + 8 + 7 + 6 + 5 + 4 + 32 + 1$ (d) None of these

35. Debbie went to pick apples from the orchard. She picked a bushel of 180 apples. She wanted to put them in little baskets that can each hold 9 apples. How many baskets will she need to pack the apples?

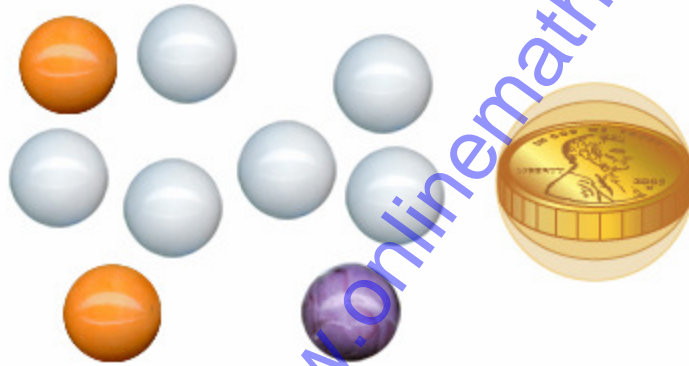
(a) 33

(c) 20

(b) 35

(d) 30

36. What is the probability of picking a white marble and flipping tails?



(a) $5/18$

(c) $2/15$

(b) $6/18$

(d) $2/50$

37. Janelle cut a shape out of a piece of construction paper. The shape had 7 angles. Which shape could Janelle have made?



A



B



C



D

(a) A

(c) C

(b) B

(d) D

38. Which polygon has 4 sides and 4 angles?

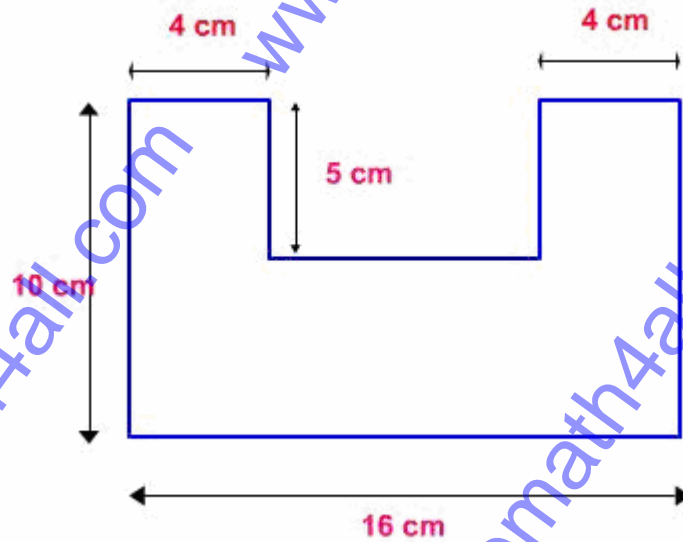
(a) Triangle

(c) quadrilateral

(b) Pentagon

(d) hexagon

39. Find the perimeter of the following



(a) 62 cm

(c) 48 cm

(b) 35 cm

(d) 26 cm

40. Find the missing term in the following sequence

4, 8, 16, 32, _____

(a) 18

(c) 20

(b) 64

(d) 32

41. Gary works as a cook. He earns \$8.93 per hour. If Gary works 7 hours, how much money will he earn?

(a) \$53.21

(c) \$65.32

(b) \$15.24

(d) \$62.51

42. Add the following

$$9\frac{1}{2} + 5\frac{1}{10}$$

(a) 155/10

(c) 146/10

(b) 120/10

(d) 175/10

43. Caitlin kept track of how many kilometers she walked during the past 7 days.

| Kilometers walked | |
|-------------------|------------|
| Day | Kilometers |
| Saturday | 1 |
| Sunday | 4 |
| Monday | 1 |
| Tuesday | 1 |
| Wednesday | 13 |
| Thursday | 4 |
| Friday | 13 |

What is the mode of the numbers?

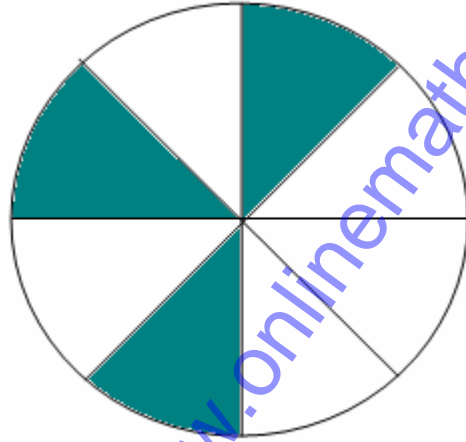
(a) 1

(c) 2

(b) 3

(d) 4

44. Write the shaded portion in fraction



(a) $\frac{8}{5}$

(c) $\frac{3}{8}$

(b) $\frac{8}{3}$

(d) $\frac{5}{8}$

45. A chemist mixed 6.35 grams of the one compound with 2.45 grams of another compound. How many grams were there in the mixture?

(a) 1.6 g

(c) 15 g

(b) 8.8 g

(d) 5.3 g

46. The volume of the water tank is 259875 cubic dm. The breadth is 63 dm and the height is 55 dm. Find the length.

(a) 68 dm

(c) 35 dm

(b) 39 dm

(d) 75 dm

47. Divide \$120 in the ratio 2:3

(a) \$48, \$72

(c) \$48, \$62

(b) \$48, \$82

(d) \$49, \$72

48. Two milk vendors mix water with milk in the ratio 3:4 and 4:9. Which vendor supplies better quality of milk?

(a) First vendor

(c) Second vendor

(b) Both are equal

(d) None of these

49. Complete the following proportion

$$9 : 20 = X : 16$$

(a) $97/5$

(c) $36/5$

(b) $93/5$

(d) $38/5$

50. 15 horses can graze a field in 8 days. In how many days will 5 horses graze it?

(a) 70 days

(c) 50 days

(b) 24 days

(d) 56 days

Answers

1. b

2. a

3. d

4. a

5. c

6. c

7. b

8. a

9. c

10. d

11. a

12. c

13. b

14. a

15. c

16. c

17. b

18. c

19. d

20. a

21. c

22. a

23. c

24. c

25. b

26. d

27. d

28. c

29. c

30. b

31. a

32. c

33. a

34. c

35. c

36. b

37. a

38. c

39. a

40. b

41. d

42. c

43. a

44. c

45. b

46. d

47. a

48. a

49. c

50. b