1. A large box contains 18 small boxes and each small box contains 25 chocolate bars. How many chocolate bars are in the large box?

(a) 450 chocolate bars   (c) 250 chocolate bars

(b) 350 chocolate bars   (d) 550 chocolate bars

2. It takes John 25 minutes to walk to the car park and 45 to drive to work. At what time should he get out of the house in order to get to work at 9:00 a.m.?

(a) 5:50 am   (c) 7:50 am

(b) 6:50 am   (d) 8:50 am

3. Kim can walk 4 kilometers in one hour. How long does it take Kim to walk 18 kilometers?

(a) 3 hours 20 minutes   (c) 3 hours 35 minutes

(b) 4 hours 30 minutes   (d) 3 hours 35 minutes

4. A factory produced 2300 TV sets in its first year of production. 4500 sets were produced in its second year and 500 more sets were produced in its third year than in its second year. How many TV sets were produced in three years?

(a) 13800

(c) 12400

(b) 25300

(d) 11800

5. Linda bought 3 notebooks at $1.20 each; a box of pencils at $1.50 and a box of pens at $1.70. How much did Linda spend?

(a) $6.80

(c) $3.20

(b) $9.60

(d) $7.50

6. Tom and Bob have a total of 49 toys. If Bob have 5 more toys than Tom, how many toys does each one have?

(a) Tom: 19 Bob: 27

(c) Tom: 22 Bob: 35

(b) Tom: 22 Bob: 27

(d) Tom: 20 Bob: 27

7. John can eat a quarter of a pizza in one minute. How long does it take John to eat one pizza and a half?

(a) 2 minutes   (c) 5 minutes

(b) 8 minutes   (d) 6 minutes

8. John can eat a sixth of a pizza in two minutes. It takes 3 minutes for Billy to eat one quarter of the same pizza. If John and Billy start eating one pizza each, who will finish first?

(a) John   (c) Both will finish in same time

(b) Billy   (d) None of these

9. John read the quarter of the time that Tom read. Tom read only two-fifth of the time that Sasha read. Sasha read twice as long as Mike. If Mike read 5 hours, how long did John read?

(a) 2 hours   (c) 7 hours

(b) 1 hour   (d) 3 hours

10. Jim, Carla and Tomy are members of the same family. Carla is 5 years older than Jim. Tomy is 6 years older than Carla. The sum of their three ages is 31 years. How old is each one them?

(a) Jim: 5 years, Carla: 10 years, Tomy: 16 years

(b) Jim: 5 years, Carla: 12 years, Tomy: 18 years

(c) Jim: 6 years, Carla: 11 years, Tomy: 20 years

(d) Jim: 5 years, Carla: 10 years, Tomy: 12 years

11. Mel had $35 and with draws some more money from his bank account. He bought a pair of trousers at $34.00, two shirts at $16.00 each and 2 pairs of shoes at $24.00 each. After the shopping, he had $32.00 left. How much money did Mel withdraw from the bank?

(a) $151   (c) $111

(b) $130   (d) $120

12. How many minutes are in one week?

(a) 10520 minutes   (c) 10630 minutes

(b) 10080 minutes   (d) 100530 minutes

13. In Tim's house, a rectangular swimming pool (blue) whose length 30 meters and width 10 meters is surrounded by grass (green). The pool with the grassy area makes a large rectangle whose length is 50 meters and width 20 meters. What area is occupied by the grass?
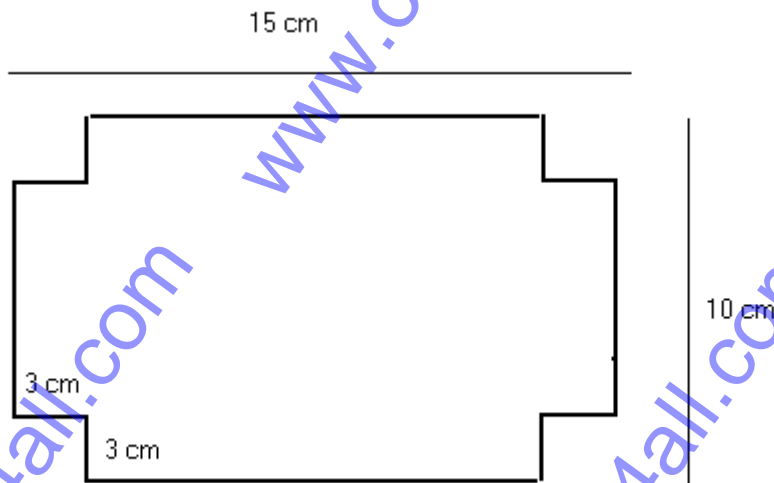
50 meters

30 meters
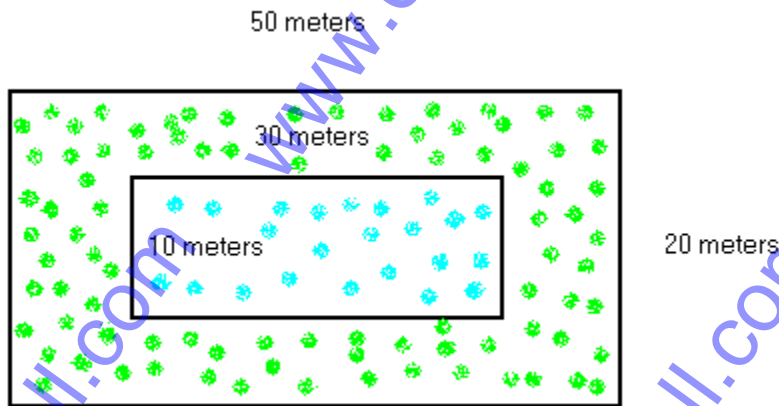
10 meters

20 meters

(a) 200 m²   (c) 900 m²

(b) 700 m²   (d) 100 m²

14. Mary wants to make a box. She starts with a piece of cardboard whose length is 15 centimeters and with is 10 centimeters. Then she cuts congruent squares with side of 3 centimeters at the four corners. What is the area of the cardboard after she cuts the 4 corners?

15 cm

10 cm

3 cm

3 cm

(a) 200 cm^2 (c) 250 cm^2

(b) 100c m^2 (d) 114 cm^2

15. A painter charges $ 225 for materials and $ 35 per hour for labour. The total cost of painting an office is $ 330. How many hours did it take the painter to paint the office?

(a) 3 hours

(c) 4 hours

(b) 2 hours

(d) 5 hours

16. Three toy cars and 4 toy trains cost $18. Two toy cars and 3 toy trains cost $13. What is the price of one toy car and the price of one toy train?

(a) 1 toy car costs $3 and 1 toy train costs $4

(b) 1 toy car costs $5 and 1 toy train costs $5

(c) 1 toy car costs $6 and 1 toy train costs $12

(d) 1 toy car costs $2 and 1 toy train costs $3

17. 3 balls rotate along a circular track. Ball A makes one full rotation in 6 seconds. Ball B makes 9 seconds and ball C makes 12 seconds. If the three balls start rotating from the same point and at the same time now, after how many seconds will they all be at the same point again?

(a) 60 seconds   (c) 28 seconds

(b) 36 seconds   (d) 26 seconds

18. 3 bulbs are used to make a flashing game. Bulb A flashes every 5 seconds. Bulb B flashes every 10 seconds and bulb C flashes every 25 seconds. If the game is switched on now, in how many seconds will all three bulbs flash at the same time?

(a) 60 seconds   (c) 48 seconds

(b) 52 seconds   (d) 50 seconds

19. Tina works 15 hours a week (Monday to Friday). Last week she worked 3 ½ hours on Monday, 4 hours on Tuesday, 13/6 hours on Wednesday and 3/2 on Thursday. How many hours did she work on Friday?

(a) 4   (c) 23/6

(b) 5/6   (d) 17/6

20. What fraction of the large square is red?
What fraction of the large square is blue?
What fraction of the large square is orange?
What fraction of the large square is green?
What fraction of the large square is black?
What fraction of the large square is yellow?
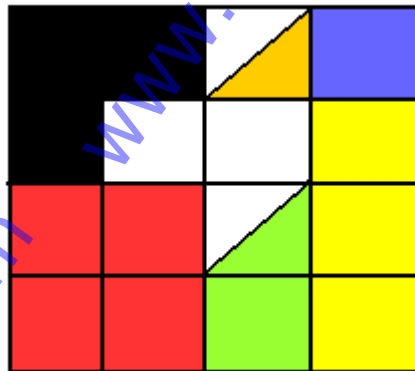
(a) Red: 1/4, blue: 1/16, orange: 1/16, green: 3/16, black: 3/16, yellow: 3/16

(b) Red: 4/4, blue: 1/16, orange: 1/16, green: 3/32, black: 3/16, yellow: 3/16

(c) Red: 1/4, blue: 1/16, orange: 1/16, green: 3/16, black: 3/16, yellow: 3/16

(d) Red: 1/4, blue: 1/16, orange: 1/32, green: 3/32, black: 3/16, yellow: 3/16

21. The perimeter of the square is twice the perimeter of the triangle. What is the length of the side of the square?
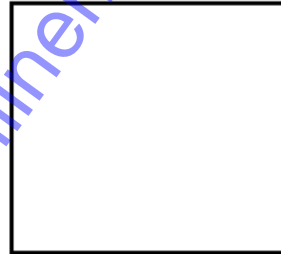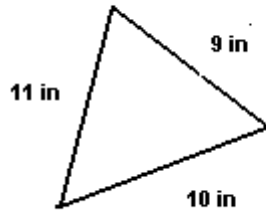
(a) 15 inches

(c) 60 inches

(b) 7.5 inches

(d) 30 inches

22. If you begin with a one digit integer, multiply by 3, add 8, divide by 2 and subtract 6, you will get the integer back. Find the number.

(a) 2

(c) 5

(b) 4

(d) 8

23. There are 28 students in Sharon's class. One fourth of the students were absent on Monday. How many students were present on Monday?

(a) 16 students   (c) 7 students

(b) 9 students   (d) 21 students

24. Elise bought 3 dresses for $12.48 each and two pairs of slacks for $14.78 each. She also had to pay 5% sales tax on her purchases. How much money did Elise spend in all?
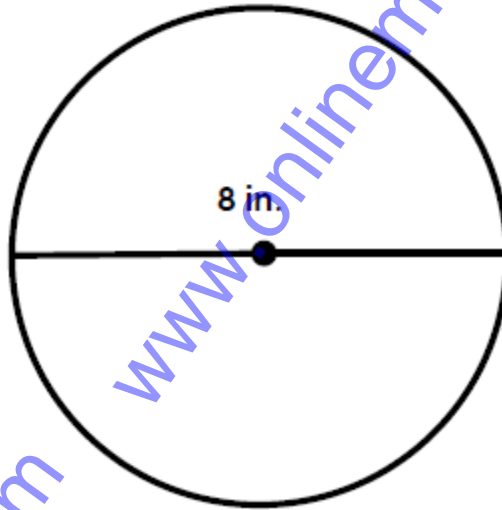
(a) $65.85   (c) $71.49

(b) $70.35   (d) $66.15
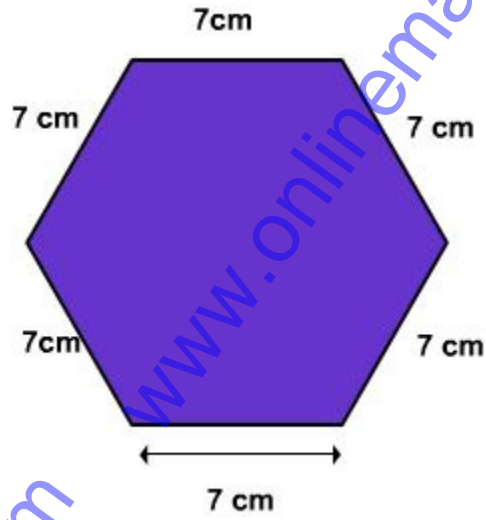
25. Find the perimeter of the circle below

8 in.

(a) 24.36 in

(c) 26.35 in

(b) 25.12 in

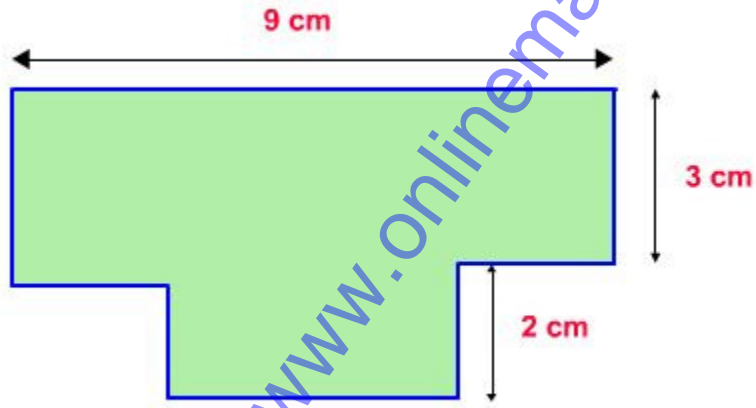(d) 32.53 in

26. Find the perimeter of the figure.

7cm

7 cm

7 cm

7cm

7 cm

7 cm

(a) 24 cm

(b) 62 cm

(c) 32 cm

(d) 42 cm

27. Find the perimeter of the figure.

(a) 18 cm

(b) 28 cm

(c) 36 cm

(d) 20 cm

28. Which single transformation is shown below?

a) Translation

(b) Rotation

(c) Reflection

(d) None of these

29. 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) 12   (c) 15

(b) 50   (d) 20

---

30. Which set of fractions are in order form least to greatest?

(a) 3/10, 2/5, 1/2   (c) 7/15, 2/3, 1/5

(b) 3/5, 3/4 7/10,   (d) 2/3, 7/8, 7/15

---

31. Three friends Christ, Marx and Davey participated in gun shooting events. Each of them was given 10 chances. They hit the targets 3 times, 2 times and 4 times respectively out of 10 chances each. Find the total targets hit by them in fraction.

(a) 8/10 hits   (c) 5/12 hits

(b) 9/10 hits   (d) 8/12 hits

32. Mr. Briar, principal of Edward Public School, collects funds for School development. 2/3 of funds are collected from school students and 1/6 of funds are collected from school development charity and the rest are collected from Public. What fraction of funds collected from public?

(a) 1/3

(c) 1/6

(b) 1/8

(d) 1/4

33. Charlie divides a basket of cherries into two portions. The ratio of the mass of the bigger portion to the mass of the smaller portion is 5: 2. If the mass of the bigger portion is 15 kg, find the mass of the smaller portion.

(a) 6 kg

(c) 5 kg

(b) 3 kg

(d) 8 kg

34. Where should addition signs 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 + 5 + 4 + 32 + 1

(b) 9 + 8 + 7 + 6 + 54 + 3 + 2 + 1   (d) None of these

35. A girl has to be at school by 8:00 A.M. It takes her 20 minutes to eat breakfast, 35 minutes to get dressed, and 15 minutes to walk to school. What time should she get up in the morning?

(a) 7:00 am   (c) 6:40 am

(b) 6:50 am   (d) 6:30 am

36. In the first year of production a play sells 872 tickets, in its second year it sells 1053 tickets, in its third year it sells 92 less than in its second year. How many tickets are sold in 3 years?

(a) 1,961   (c) 2,886

(b) 2,961   (d) 3,986

37. Mr. Brown and his wife have a combined weight of 370 pounds. Mrs. Brown weighs 155 pounds less than twice her husband's weight. How much does each of them weigh?

(a) 165 pounds, 205 pounds   (c) 185 pounds, 195 pounds

(b) 155 pounds, 185 pounds   (d) 175 pounds, 195 pounds

38. Jun is ordering a birthday cake for a friend. The bakery makes carrot, vanilla, lemon, and chocolate flavored cakes. Each flavor of cake can come with yellow or pink frosting. How many different combinations can Jun choose from?

(a) 5   (c) 8

(b) 9   (d) 6

39. Krystyn is deciding what to wear to school. She has a blue shirt and a purple shirt, and she has blue, black, and gray pants. If she can wear any color shirt with any pair of pants, how many different combinations can Krystyn pick?

(a) 4   (c) 8

(b) 6   (d) 10

40. Dina has the following data:

w	19	5	20	15	20

If the range is 15, which number could w be?

(a) 50   (c) 30

(b) 9   (d) 20

41. At nine o'clock, Janet started to make orange juice. She got out twelve oranges, juiced them, and drank the juice. Five minutes later, she finished. What time was it when Janet finished drinking her juice?

(a)

(c)

(b)

(d)

42. It was 4:30 when Sharon began doing laundry. It took her 4 hours and 50 minutes to wash all of the dirty clothes. What time was it when Sharon finished doing laundry?

(a) 9:40

(c) 9:10

(b) 9:20

(d) 3:40

43. Look at this frequency chart:

Writing poems	
Poems written	Frequency
0	8
1	14
2	12
3	1
4	13
5	4
6	10

How many students wrote at least 3 poems?

(a) 51 students   (c) 28 students

(b) 49 students   (d) 50 students

44. Look at this circle graph:

Favorite bagels

Blueberry bagels
1/4

Chocolate chip bagels
1/8

Egg bagels
1/4

Poppy seed bagels
1/8

Sesame seed bagels
1/8

Cheese bagels
1/8
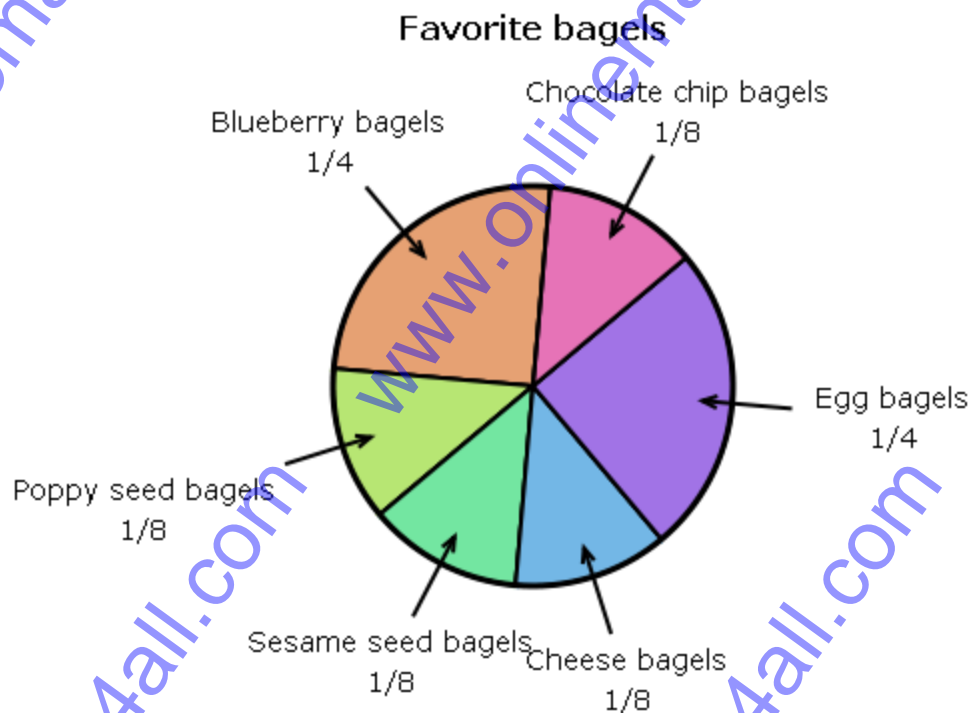
If 648 people were surveyed, how many more people voted for blueberry bagels than for chocolate chip bagels?

(a) 90 people

(c) 75 people

(b) 81 people

(d) 65 people

45. Look at this stem-and-leaf plot:

Dogs' weights (lbs)

Stem	Leaf
3	6
4	1 6 6 7 8
5	0 2 4 7
6	0 0 3 4 8
7	1 4

How many dogs weighed at least 60 pounds?

(a) 8 dogs   (c) 5 dogs

(b) 6 dogs   (d) 7 dogs

46. Which type of graph would best show the percentage of students who bring their lunch from home and buy their lunch at school?
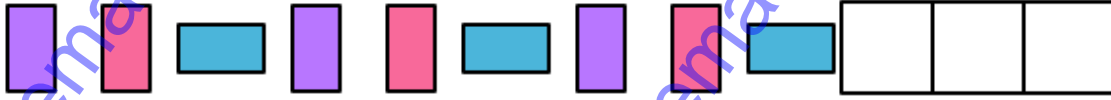
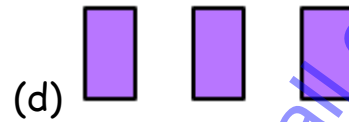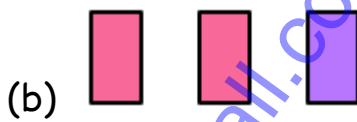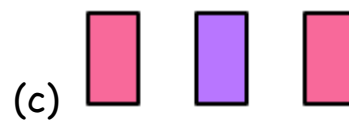(a) Pictograph   (c) Stem-and leaf plot
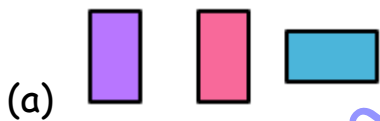
(b) Line graph   (d) Circle graph

47. Look at this pattern:

Which comes next?

(a)

(c)

(b)

(d)

48. How much money does Kiera need to buy a picnic table and a fountain?

fountain	$59.00
lawn chair	$23.00
hammock	$94.00
rosebush	$15.00
picnic table	$82.00

(a) $121

(c) $130

(b) $141

(d) $125

49. Look at this table:

Bridge tolls		
Bridge	Truck	Car
San Mateo	$6	$4
Tacoma Narrows	$4	$3
Golden Gate	$7	$6

How much higher is the toll for a car on the Golden Gate bridge than on the San Mateo bridge?

(a) $5   (c) $7

(b) $2   (d) $8

---

50. Annie wants to buy a luggage tag. The original price is $0.05. How much will Annie pay if she buys it during the sale?

60% off sale!

(a) $0.02   (c) $0.05

(b) $0.1   (d) $0.01

Answers:

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