1. Choose the word that describes how the number is used

40 children

(a) Count

(b) Measure

(c) Label

(d) Position

2. There are two trees in our backyard. 5 monkeys are sitting on one tree 9 monkeys on the other. How many monkeys there are on the two trees?

(a) 16

(b) 14

(c) 15

(d) 12

3. Amy had 110 books in her room .She decided to give 9 books to each of her 4 friends. How many books did Amy have left?

(a) 91

(c) 85

(b) 36

(d) 74

4. Ben, Tina, and Chris collect trading cards. Ben has 52 cards. Tina has 38 more cards than Ben. Chris has 20 cards less than Tina. How many cards does Chris have?

(a) 77

(c) 70

(b) 88

(d) 85

5. Mark decided to hike a 12 mile trail through the blue hills. She began her hike at 9:20 in the morning. After Mark had traveled 1/3 of the distance she looked at her watch again. The time was 10:05 am. If Mark continues to walk at the same pace, What time will she finish the hike?

(a) 40

(c) 11:35

(b) 45

(d) 55

6. Which of the following are **ordinal** numbers?

(a) 100

(b) 91

(c) 17th

(d) 99

7. How would you write 82 as a Roman numeral?

(a) LXXXII

(b) LIIIX

(c) LXXX

(d) CXI

8. What is **100 + 70 + 3** in standard form?

(a) 100703

(b) 10703

(c) 1073

(d) 173

9. What number has six tens and four fewer ones than tens?

(a) 65

(b) 60

(c) 62

(d) 53

10. Adam donated money to various charities last year. First, he donated $2,700 to a high school and $2,314 to a university. Then he donated $1,156 for medical research. How much money did Adam donate in all?

(a) $6253

(c) $5213

(b)$6170

(d) $6220

11. A men's clothing store ordered some winter sweaters to sell. They ordered 2,899 red sweaters, 5,236 green sweaters, and 1,457 blue sweaters. How many winter sweaters did the store order in all?

(a) 9592

(c) 9332

(b) 7235

(d) 8659

12. A roller coaster at an amusement park has 7 cars, and 7 people can ride in each car. How many people can ride the roller coaster at the same time?

(a) 40

(c) 45

(b) 38

(d) 49

13. A cookie factory produced 10 packages of cookies. There were 9 cookies in each package. How many cookies did the factory produce in all?

(a) 90

(c) 50

(b) 80

(d) 60

14. Which number makes the equation true?

$$994 - 189 = 921 - ?$$

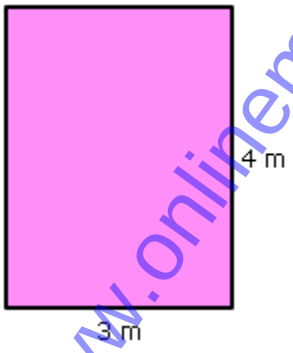
(a) 113

(c) 112

(b) 116

(d) 117

15. What is the area?



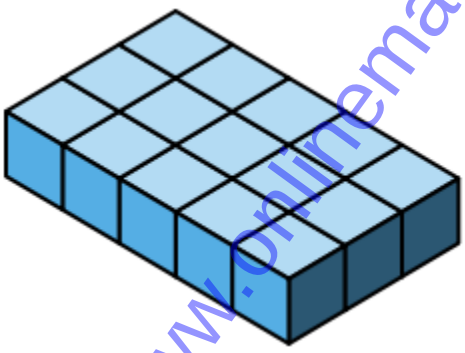
(a) 15 m^2

(c) 16 m^2

(b) 12 m^2

(d) 8 m^2

16. What is the volume of this object?



(a) 18 cubic units

(c) 12 cubic units

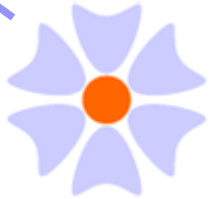
(b) 20 cubic units

(d) 15 cubic units

17. Which picture has symmetry?

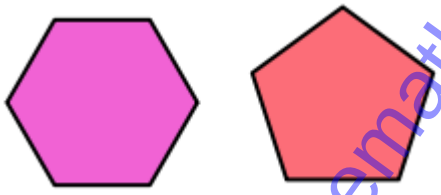
(a) 

(b) 

(c) 

(d) None of these

18. How are these figures related?



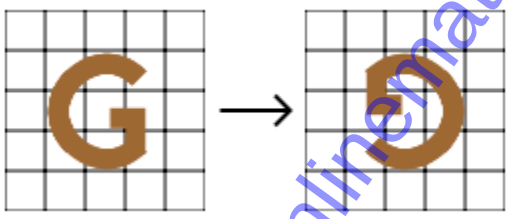
(a) Congruent

(b) Neither similar nor congruent

(c) Similar but not congruent

(d) None of these

19. How has this figure been transformed?



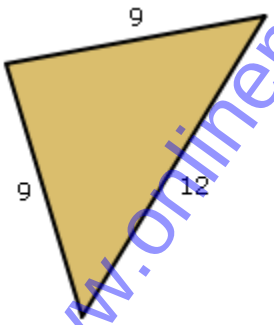
(a) Reflected

(c) Rotated

(b) Translated

(d) None of these

20. What kind of triangle is this?



(a) Isosceles

(c) Scalene

(b) Equilateral

(d) Right triangle

21. A crayon factory makes 2 colors of crayons. They put 2 of each color crayon in each box. How many crayons does the factory put in 5 boxes?

(a) 20

(c) 18

(b) 15

(d) 12

---

22. A fast food chain uses plastic straws. The straws come in 5 different colors. Each package contains 5 straws in each color. How many plastic straws are there in 3 packages?

(a) 60

(c) 13

(b) 15

(d) 75

---

23. If you select a marble without looking, how likely is it that you will pick a red one?

(a) Certain

(c) probable

(b) Unlikely

(d) Impossible

24. Glendon is ordering a salad for lunch. He can choose one of turkey, beans, or chicken to have on the salad. He can also pick one vegetable topping. The vegetable choices are sprouts, peppers, or olives. How many different combinations can Glendon create?

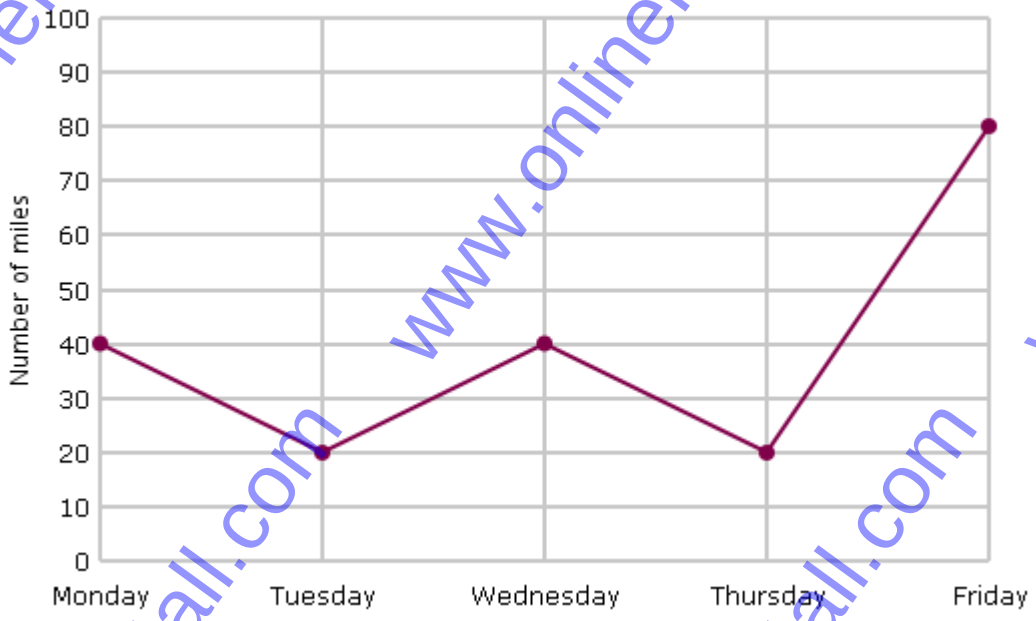
(a) 9

(b) 18

(c) 4

(d) 12

25. Darell went on a road trip and tracked his driving each day



What is the mean of the numbers?

(a) 20

(b) 30

(c) 40

(d) 50

26. Some friends compared the sizes of their sticker collections.

Sticker collections	
Name	Number of stickers
Lance	
Arjan	
Habib	
Zohar	
Kiley	
Upendra	

What is the mean of the numbers?

(a) 15

(b) 12

(c) 10

(d) 13

27. What fraction does the number line show?

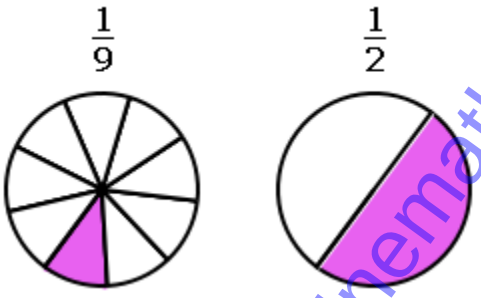
(a) 1/2

(b) 1/4

(c) 1/3

(d) 1/5

28. Which fraction is **less**?



(a) 1/9

(b) Neither; they are equal

(c) 1/2

(d) None of these

29. Anna, Zach and Tammi made 60 brownies together. Anna made 18 brownies and put sprinkles on one sixth of them. Zach made twice as many brownies as Anna and put sprinkles on $\frac{1}{4}$ of them. Tammi made 1/3 as many brownies as Anna and put sprinkles on all of them. How many brownies had sprinkles?

(a) 18

(b) 17

(c) 15

(d) 20

30. A gust of wind caught the clown's balloon bouquet, and 27 balloons flew off, he only has 77 left. How many balloons did he have?

(a) 147

(b) 50

(c) 104

(d) 30

31. You had a large container of marbles when Don gave you 1432 of his marbles which gave you 3668 in total, how many did you have before Don gave you his?

(a) 2456

(b) 2863

(c) 2156

(d) 2236

32. Round the following number of cars in each row to the closest ten. Then estimate how many cars are in the parking lot. The first row has 68, the 2nd row has 44, the 3rd row has 28, the 4th row has 97 and the 5th row has 22. Estimate the number of cars in the parking lot.

(a) 150 cars

(b) 260 cars

(c) 280 cars

(d) 300 cars

33. If you were counting backwards by 2s starting at 100, how many numbers would you have said before you get to 76?

(a) 12

(b) 20

(c) 15

(d) 16

34. You have 4 colors on your spinner, orange, blue red and yellow. What are the chances it will land on red?

(a) 1/5

(b) 1/8

(c) 1/4

(d) 1/7

35. What is the probability of choosing a vowel (count y as a vowel) from a bag of letters containing the alphabet?

(a) 8/26

(c) 3/26

(b) 10/26

(d) 6/26

36. If you flipped a coin, what are the chances it will land on heads?

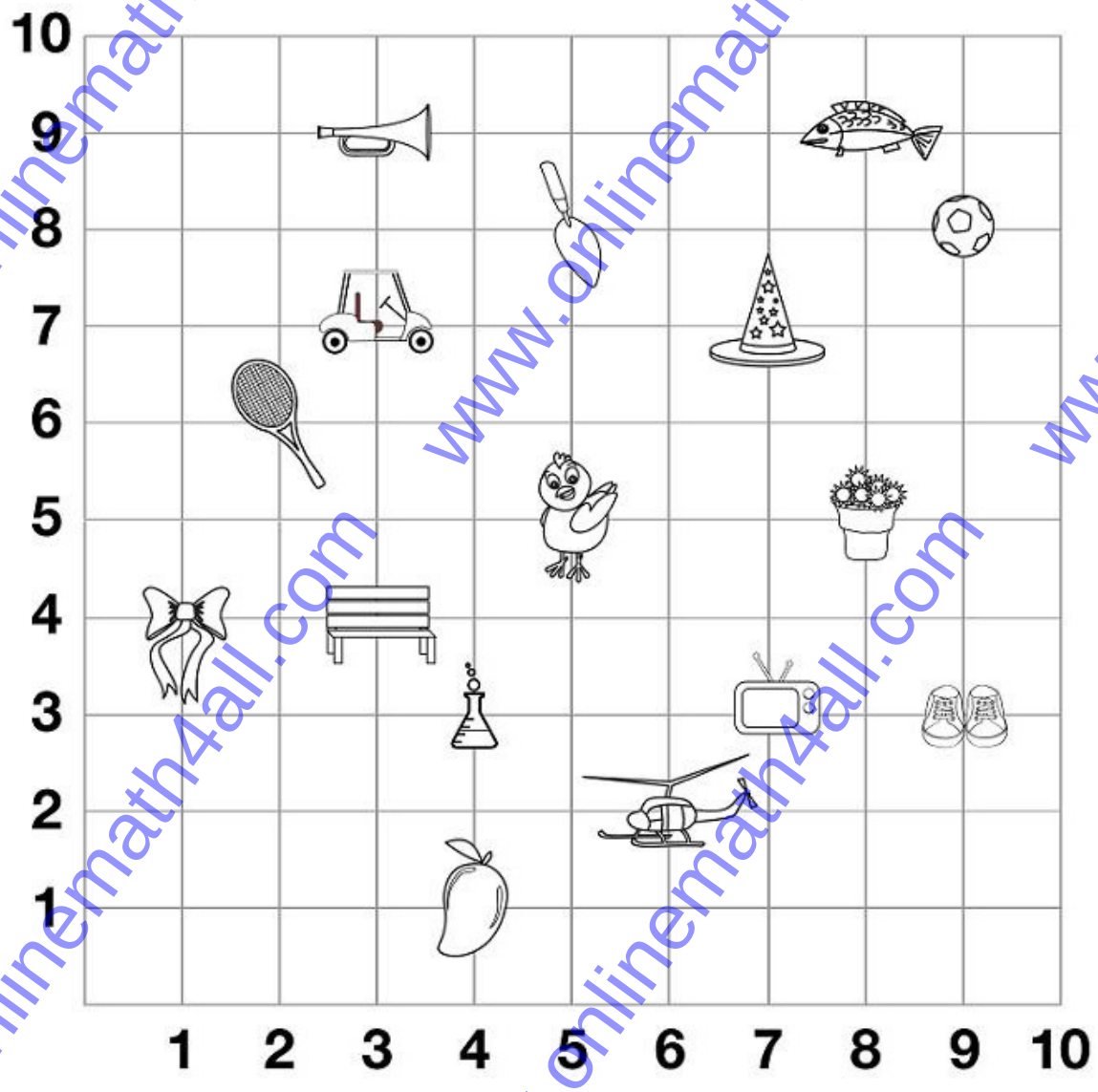
(a) 1/2

(c) 1/4

(b) 1/5

(d) 1/3

37. Write the ordered pair for fish



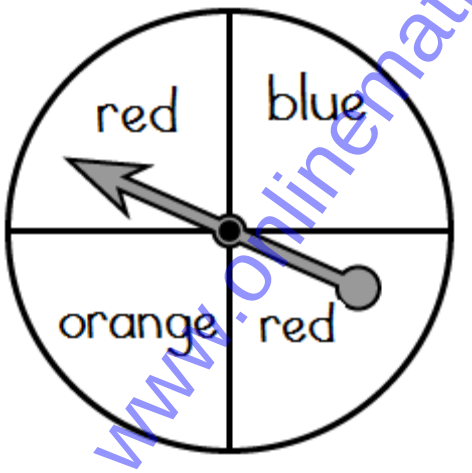
(a) (8, 9)

(b) (8,7)

(c) (9, 8)

(d) (7,8)

38. What is the probability of the spinner landing on a primary color?



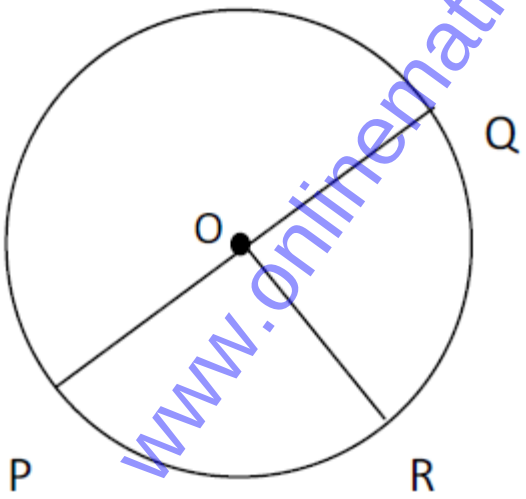
(a) 2/9

(b) 1/6

(c) 3/4

(d) 5/6

39. In the following circle what will be OR?



(a) Diameter

(c) Chord

(b) line

(d) Radius

40. Which property of addition is shown?

$f = f + 0$

(a) Associative

(c) Commutative

(b) Identity

(d) Transitive

41. Solve:

$$(2 + 72) - (32 + 13)$$

(a) 13

(c) 29

(b) 25

(d) 14

42. What is the **least** whole number you can make using all of the following digits?

8 3 1 2

(a) 9

(c) 8

(b) 2

(d) 1

43. William is 1 year younger than Eloy. Linda is 45. Dama is 4 years older than Linda and 2 years older than Eloy. How old is Eloy?

(a) 47

(c) 42

(b) 46

(d) 15

44. The sum of two numbers is 14, and their difference is 8. What are the two numbers?

(a) 10 and 4

(b) 11 and 3

(c) 9 and 5

(d) 12 and 2

45. The difference of two numbers is 4, and their quotient is 2. What are the two numbers?

(a) 10 and 4

(b) 11 and 3

(c) 8 and 4

(d) 12 and 2

46. Last year, Lucas donated $922.00 to a big university and $191.00 to a local hospital. How much money did Lucas donate in all?

(a) $110

(b) $130

(c) $200

(d) $177

47. Last year, Lucas donated $922.00 to a big university and $191.00 to a local hospital. How much money did Lucas donate in all?

long-sleeved shirt	$9
pair of shorts	$6
orange T-shirt	$8
pair of white socks	$2

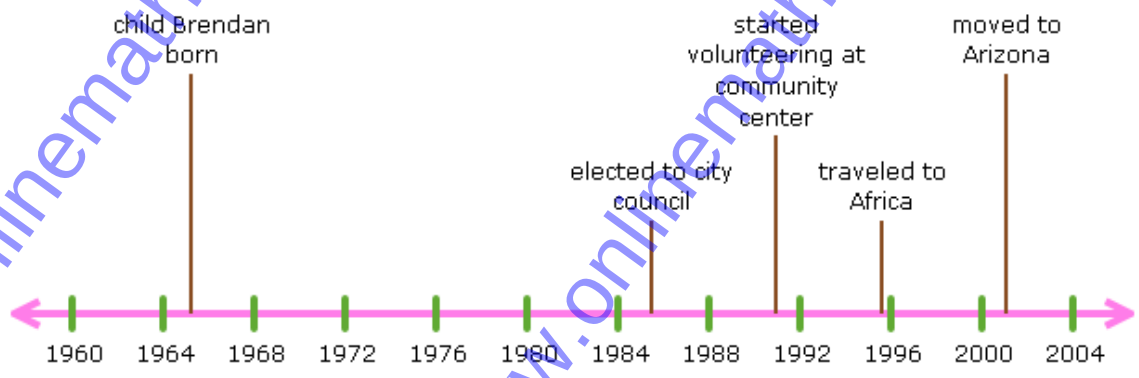
(a) $13

(c) $4

(b) $17

(d) $11

48. Look at Trent's time line.



Which event happened later?

(a) Trent was elected to city council

(c) Brendan was born

(b)Traveled to Africa

(d) None of these

49. Look at the following schedule:

University sports schedule		
Event	Begin	End
women's basketball game	11:20 A.M.	1:00 P.M.
rugby match	1:30 P.M.	4:50 P.M.
men's basketball game	4:50 P.M.	6:10 P.M.
diving meet	6:00 P.M.	7:45 P.M.
wrestling meet	6:50 P.M.	8:10 P.M.
women's volleyball game	8:35 P.M.	9:45 P.M.

Which event ends at 6:10 P.M.?

(a) The women's volleyball game

(b) The women's basketball game

(c) the rugby match

(d) The men's basketball game

50. Look at this pictograph:

Favorite Summer Olympics sports	
Gymnastics	
Track and field	
Basketball	
Volleyball	

Each  = 5 children

Did more children choose basketball or track and field?

(a) Basketball

(b)Volley ball

(c) track and field

(d) Gymnastics

Answers:

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