1. Which of the following are supplementary angles?

(a) 180°, 180°

(b) 100°, 80°

(c) 50°, 50°

(d) 40°, 50°

2. 4 km 79 m equals

(a) 4.079 km

(b) 40.79 km

(c) 0.4079 km

(d) 407.9 km

3. 5 min. + 25 sec =

(a) 6 min. 95 sec.

(b) 3 min. 50 sec.

(c) 3 min. 65 sec.

(d) 4 min. 85 sec.

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4. 104°F equals.

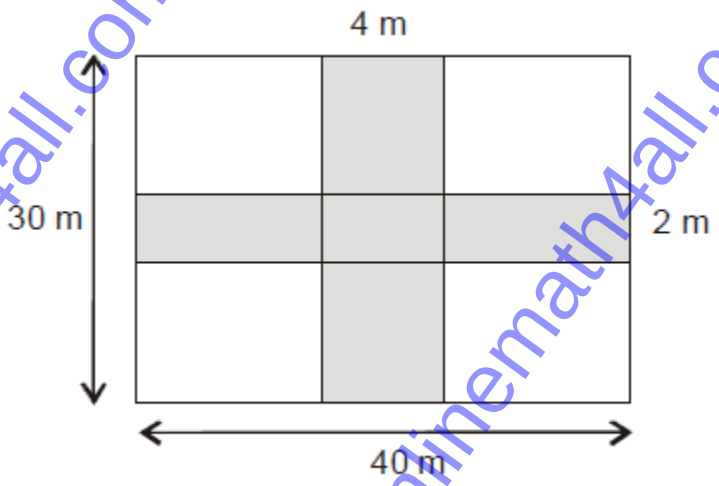
(a) 50°C

(c) 40°C

(b) 55°C

(d) 45°C

5. The area of the shaded region is



(figure not drawn to scale)

(a) 264 m^2

(c) 190 m^2

(b) 192 m^2

(d) 36 m^2

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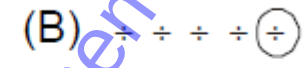
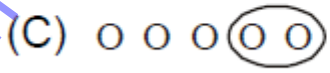
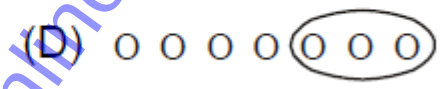
6. Which of the figures shows correct fraction for 1/3?

(A) 

(B) 

(C) 

(D) 

(a) A

(c) C

(b) B

(d) D

7.

$$5\frac{3}{4} = 5 + (\square + \square + \square)$$

Here, $\square$ stands for

(a) $\frac{3}{4}$

(c) 3

(b) $\frac{1}{4}$

(d) 4

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8. 27,649 – 6,926 is best described as

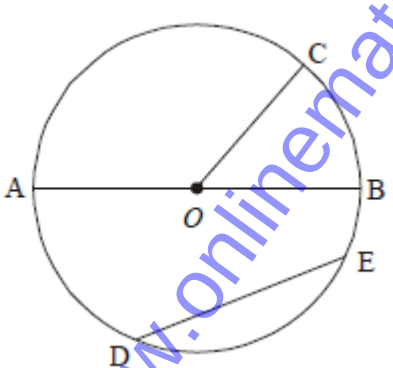
(a) A little more than 11,000

(b) A little more than 20,000

(c) A little more than 25,000

(d) A little more than 30,000

9. A circle is drawn, with center point *O*. The line segment from point A to point B, through the center of the circle, is called –



(a) An arc

(b) A circumference

(c) A radius

(d) A diameter

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10. Which could be the measures of the angles of a right triangle?

(a) 80°, 50°, 50°

(b) 36°, 90°, 54°

(c) 44°, 96°, 40°

(d) 110°, 50°, 20°

11. A race started at 11:16 A.M. The first person to cross the finish line came in at 1:22 P.M. How long did it take the first person to reach the finish line?

(a) 13 hours, 38 minutes

(b) 2 hours, 6 minutes

(c) 1 hours, 6 minutes

(d) 2 hours, 38 minutes

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12. An arrow makes an angle with the level ground, as shown in the picture. Which best names this angle?

(a) Obtuse

(b) Right

(c) Straight

(d) Acute

13. If $A = 5$, which number sentence is true?

(a) $A \times 4 = 20$

(b) $A - 3 = 8$

(c) $12 + A = 7$

(d) $15 \div A = 10$.

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14. Which is true?

(a) 2,934,106 < 2,873,014

(b) 2,163,489 < 2,089,634

(c) 2,874,365 < 2,897,056

(d) 2,457,831 < 2,359,678

15. The table shows the number of toys a factory made in March and April. How many more toys did the factory make in March than in April?

Toys Made at a Factory

Month	Number Made
March	962,458
April	879,581

(a) 117,123

(b) 82,977

(c) 82,877

(d) 117,137

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16. Harry had 500 coins in a jar. He sorted the coins into 25 different stack. Each stack had the same number of coins. How many coins were in each stack?

(a) 20

(c) 25

(b) 45

(d) 12

17. There are 914 students enrolled in Lakeview Elementary School. Frederich Elementary School has 276 fewer students enrolled. How many students are enrolled at Frederich Elementary School?

(a) 642

(c) 1190

(b) 762

(d) 638

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18. How is 4.026 written in words?

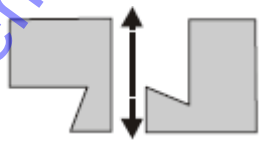
(A) Four and twenty six thousandths

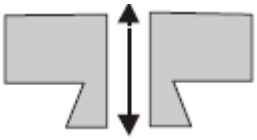
(B) Four and twenty six hundredths

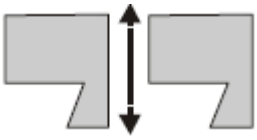
(C) Four thousand, twenty six

(D) Four hundred twenty six

19. Which of the following shows a reflection (flip) of the shaded shape across the heavy dotted line?

(a) 

(c) 

(b) 

(d) 

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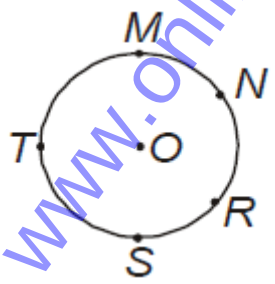
20. In the figure, point O is the center of the circle which two points appear to make a diameter when connected with a straight line?



(a) M and S

(b) O and R

(c) N and S

(d) T and R

21. Which unit could be used for measuring the amount of liquid needed to fill a small teacup?

(a) Gram

(b) Kg

(c) Meter

(d) Milliliter

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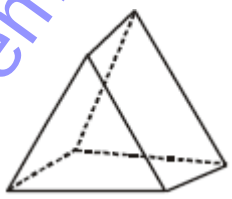
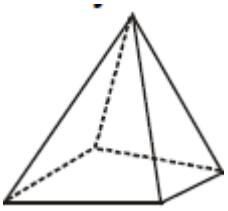
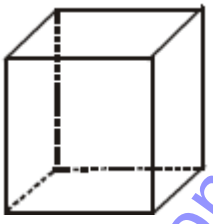
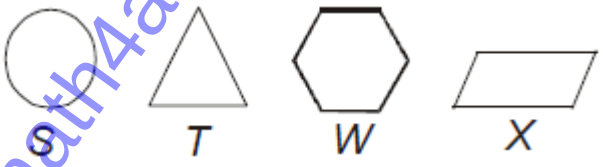
22. Which of the following has exactly 6 vertices?

(a) 

(c) 

(b) 

(d) 



23. Which figure is quadrilateral?

(a) Figure S

(b) Figure T

(c) Figure W

(d) Figure X

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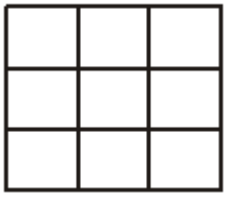
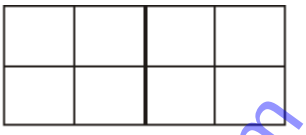
24. Which figure has an area of 8 and a perimeter of 12? Each square block is of side 1 unit.

(a) 

(c) 

(b) 

(d) 

25. Tom left home at 7 : 15 a.m. to go to work. He returned home at 4 : 45 p.m. What is the total amount of time Tom was away from home?

(a) 7 hours, 30 minutes

(b) 9 hours, 30 minutes

(c) 3 hours, 30 minutes

(d) 8 hours, 30 minutes

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26. A rule was used to make the pattern shown below. 51, 45, 39, 33, 27, 21 . . .Which could be the rule used to make the pattern?

(a) Divide by 7

(c) Subtract 7

(b) Divide by 6

(d) Subtract 6

27. Which of these could be solved by using the open sentence $S - 7 =$?

(A) Rita collected 7 more seashells than Henry. If S is the number of seashells that Henry collected, how many did Rita collect?

(B) Bony collected 7 fewer seashells than Kamal. If S is the number of seashells Kamal collected, how many did Bony collect?

(C) David needs 7 seashells more to complete his collection. If S is the number of seashells he has so far, how many will he have after he gets 7 more?

(D) Amit filled 7 boxes with seashells. If S is the number of seashells she put in each box, how many seashells did she use in all?

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28. An optometrist uses the symbol below as a tool during an eye exam. Which figure would result when the symbol is flipped over the dotted line? 

(a) 

(c) 

(b) 

(d) 

29. Simon and Julie need 72 paper flowers to complete a bulletin board. They have 19 paper flowers so far. Which operation should be used in the box below to find how many more paper flowers they need?

72 ? 19 =

(a) Addition

(c) Multiplication

(b) Division

(d) subtraction

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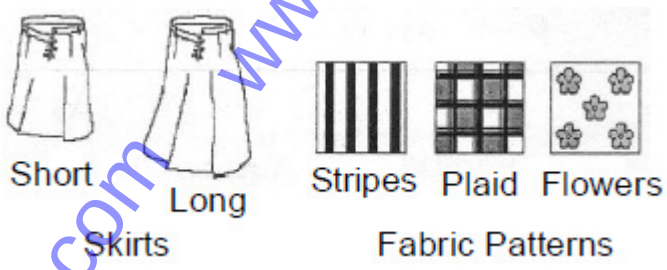
30. Shelley is ordering a skirt from a catalog. She can choose one of two lengths: a short skirt or a long skirt. Then she can choose one of three fabric patterns: stripes, plaid, or flowers. How many different skirts could Shelley order choosing a length and a fabric pattern?



(a) 2

(b) 3

(c) 5

(d) 6

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31. There are about 20 times as many species of ants as there are species of bats. Let b represents the number of species of bats. Which expression represents the number of species of ants?

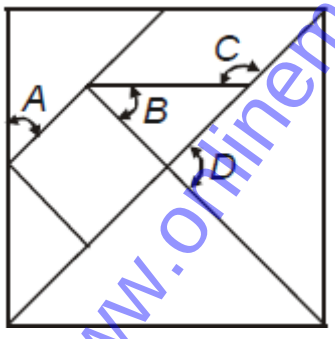
(a) $b + 20$

(b) $b - 20$

(c) $20 \times b$

(d) $20 / b$

32. A tangram is an ancient Chinese puzzle. It is made of seven pieces that fit together to make a square. Which of the angles marked in the tangram puzzle given is an obtuse angle?



(a) Angle A

(b) Angle B

(c) Angle C

(d) Angle D

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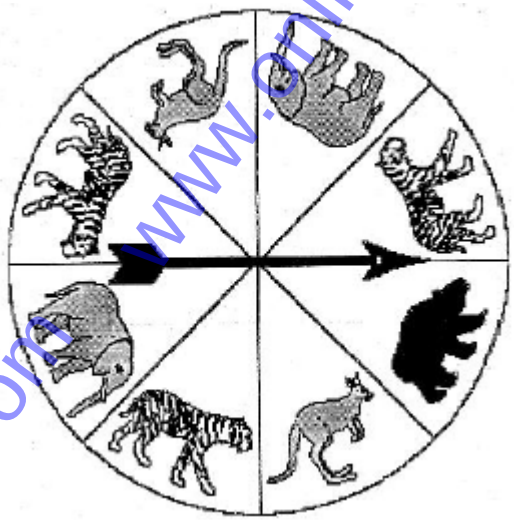
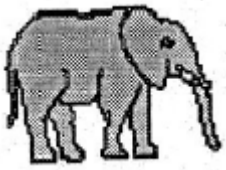
33. The picture below shows a spinner for an animal board game. In which animal section is spinner least likely to land?



(a) 

(c) 

(b) 

(d) 

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34. The following table shows the distance around four different planets. Which planet's distance has the numeral 3 in the ten thousands place?

DISTANCE AROUND

Planet	Distance Around (in miles)
Jupiter	88,732
Mars	4,213
Mercury	3,032
Neptune	30,603

(a) Jupiter

(b) Mars

(c) Mercury

(d) Neptune

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35. Four boys work together painting houses for the summer. For each house they paint they get $256.00. If the boys work for 4 months of summer and their expenses are $152.00 per month, how many houses must they paint for each of them to have one thousand dollars at the end of the summer?

(a) 18

(c) 16

(b) 50

(d) 17

36. One morning grasshopper fell down a hole 2 metres deep. He would climb 1/4 of a metre every day but at night he slid down 1/8 pf a metre. At this rate, how many days until the grasshopper gets out?

(a) 16

(c) 15

(b) 20

(d) 14

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37. 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) 5

(c) 6

(b) 4

(d) 7

38. If every vertex of a regular pentagon is connected to every other vertex, how many triangles are formed?

(a) 35

(c) 49

(b) 38

(d) 22

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39. In her first year a dog breeder's dogs produce 2 puppies. In her second year her dogs produce three-times as many puppies. In her third year her dogs produce 5 times as many puppies as the first year. How many puppies will the breeder have produced in her first 3 years? If she sells the puppies for $200.00 each, how much will she have made?

(a) $2400

(b) $1200

(c) $3600

(d) $3800

40. If a ball is dropped from a height of 100m, each time it hits the ground it bounces 3/5 of the height it fell. How far will the ball have travelled in the 5th bounce?

(a) 932.15m

(b) 155.23m

(c) 215.31m

(d) 361.12m

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41. George had 75 football cards. He gave 3-for-1 in four trades. Then he received 5-for-1 in two trades. How many cards does he have now?

(a) 75

(c) 60

(b) 36

(d) 40

42. Monica is thinking of a number. Can you guess her number using these clues? It is a three digit number. Its digits are in descending order. It is divisible by three. The hundred's digit is two more than the one's digit. Add the three digits will give you a dozen.

(a) 522

(c) 562

(b) 362

(d) 543

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43. Jean needs to cut a board into two 3.5 foot pieces. She starts with an 11 foot board. How much of the board will she have left after she makes the cuts?

(a) 4 feet

(c) 2 feet

(b) 8 feet

(d) 5 feet

44. At the end of the school day Mr. Howard had 30 pencils in the pencil box. In the morning, he gave 12 pencils to students. At lunch time, he got 6 of them back. He then gave 8 pencils to other students in the afternoon. How many pencils did he start with?

(a) 34

(c) 56

(b) 44

(d) 58

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45. Danielle was the 100th runner across the finish line. Lots of runners finished after Danielle. Here are some clues for the number of runners who finished the race: it is more than 280; it is less than 316; if you count by 4s you say its name; it can be divided evenly by 7. How many runners crossed the finish line?

(a) 223

(c) 502

(b) 326

(d) 308

46. The number of students on the field trip is greater than 30 but less than 50. When seated 2 in a seat on the bus, no student has to sit alone. When placed in groups of 5 for a tour, all groups are the same size. How many students are on the field trip?

(a) 40

(c) 35

(b) 57

(d) 90

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47. How many times would the digit, 2, be written if you wrote down all the whole numbers from 1 to 100?

(a) 40

(c) 30

(b) 10

(d) 20

48. There are 5 people at a meeting. If each person shakes hands with each of the other once, how many handshakes are exchanged?

(a) 40

(c) 30

(b) 10

(d) 20

49. For Gilda's party, the Hoagie House prepared a huge sub sandwich on a 7-foot long Italian roll. Gilda wants to feed 16 friends. How many cuts must she make?

(a) 15

(c) 35

(b) 25

(d) 28

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50. Candy delivers packages. Today she started on the first floor and went up 7 floors. Then she went down 3 floors, and then up 16 floors. She went up 2 more floors to the top floor of the building. How many floors were in this building?

(a) 28

(b) 23

(c) 26

(d) 34

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Answers:

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

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