

Choose the correct answer.

1. What is the quotient?

$$36 \div 3$$

- A 3 C 9
B 6 D 12

2. In which number does the 1 have the greatest value?

- A 82,251,346
B 82,310,986
C 825,109,986
D 831,220,346

3. What is the difference?

$$\begin{array}{r} 0.71 \\ -0.26 \\ \hline \end{array}$$

- A 0.45 C 0.56
B 0.55 D 0.65

4. What is the product?

$$755 \times 76$$

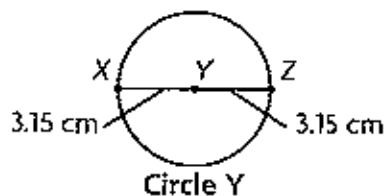
- A 5,730
B 15,380
C 57,180
D 57,380

5. Which figure shows the trapezoid divided into three triangles?



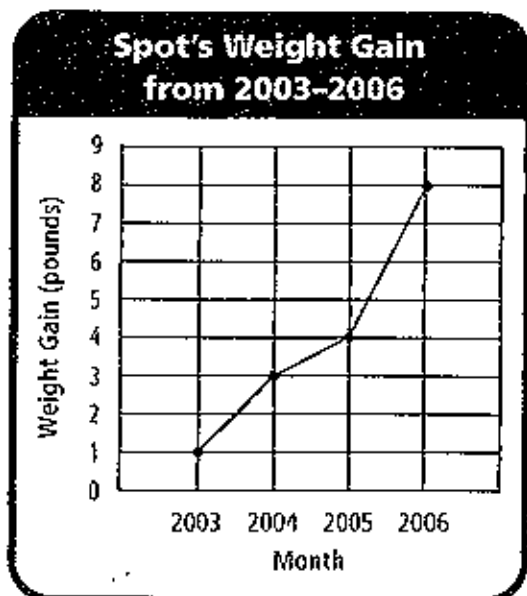
- A Q
B R
C S
D T

6. Which parts of the circle complete the table?



Name	Part of Circle	Length in cm
\overline{XY}		3.15 cm
\overline{XZ}		6.30 cm

- A diameter; radius
B point; center
C radius; diameter
D radius; circle
7. Which shows the increase in Spot's weight between 2004 and 2006?



- A 5 C 7
B 6 D 8

Go On

8. Which is the value of the expression if $d = 6$?

$$(7 \cdot d) + 5$$

- A 6 C 13
B 9 D 18

9. Compare. Which symbol makes the statement true?

32 weeks \otimes 1 year 4 weeks

- A \div C $<$
B $>$ D $=$

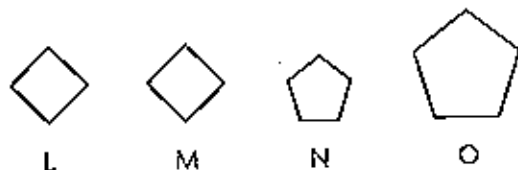
10. Erica is putting a scrapbook together. She has 10 stickers of which there are 4 stars, 4 hearts, and 2 flowers. How many combinations of stars, hearts, and flower stickers are there?

- A 12 C 32
B 24 D 48

11. Which fact is part of the fact family for the numbers 4, 8, 12?

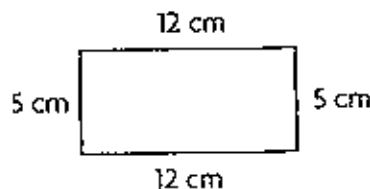
- A $4 + 8 = 12$
B $8 \cdot 4 = 4$
C $12 \cdot 6 = 6$
D $12 + 4 = 16$

12. Which of the following figures appear to be congruent?




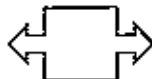


- A L and M
B L and N
C N and O
D M and O

13. Which figure has the same perimeter but different area than the figure shown?



- A 6 cm
10 cm
- B 5 cm
11 cm
- C 4 cm
9 cm
- D 6 cm
11 cm

14. Compare. Which symbol makes the statement true?
 $42,512,895 \text{ } \textcircled{a} \text{ } 425,120,895$
- A $-$ C $>$
 B \div D $<$
15. Mr. Colburn's journalism class ate $\frac{3}{4}$ of the pizzas after school. Which is the fraction of pizzas left over?
- A 1 C $\frac{2}{4}$
 B $\frac{4}{4}$ D $\frac{1}{4}$
16. Solana spent \$4 dollars on a gallon of milk. The next day, her grandmother gave her \$6. Now Solana has \$18. How much money did Solana have originally?
- A \$14 C \$28
 B \$16 D \$20
17. What is the quotient?
 $\$765 \div 5$
- A \$150 C \$160
 B \$153 D \$163
18. Tamara has a 2-sided spinner and a bag of lettered tiles. There are 2 "A" tiles, 2 "B" tiles and 2 "C" tiles. Tamara plays a game in which she spins the spinner and picks a tile from the bag. How many possible outcomes are there?
- A 6 C 4
 B 5 D 3
19. Which of the following figures does not appear to have line and rotational symmetry?
- A 
- B 
- C 
- D 
20. Which is the correct order of operations?
 $(9 + 3) \times 3 \div 6$
- A addition, divide, multiply
 B addition, multiply, divide
 C multiply, divide, addition
 D divide, multiply, addition
21. Which number sentence shows how to check the answer?
 $730 \div 73 = 10$
- A $73 \times 10 = 730$
 B $73 \div 1 = 73$
 C $7300 \div 10 = 730$
 D $730 \times 73 = 53,290$
22. Which pair of figures have the same number of faces?
- A a cube and a sphere
 B a cylinder and a cone
 C a rectangular prism and a cube
 D a square pyramid and square prism

23. Which is 0.045 written as a fraction?

A $\frac{45}{10}$
 B $\frac{45}{100}$
 C $\frac{45}{1000}$
 D $\frac{4}{500}$

24. Which is the best estimate of 9×391 using compatible numbers?

A 900 C 2,700
 B 1,800 D 3,600

25. Mary, Claude, and Sue are in line to buy tickets to see a concert. Mary is after Sue. Claude is first in line. In what order, from first to last, are they standing in line?

A Claude, Sue, Mary
 B Claude, Mary, Sue
 C Sue, Mary, Claude
 D Sue, Claude, Mary

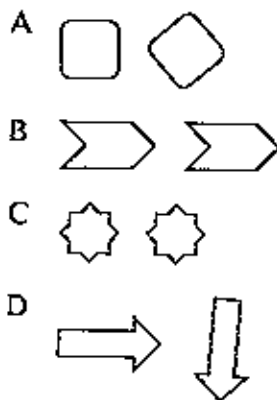
26. Ms. Le has 60 pens. She wants to put 5 pens in each gift bag for her students. How many gift bags can Ms. Le make?

A 10 C 15
 B 12 D 20

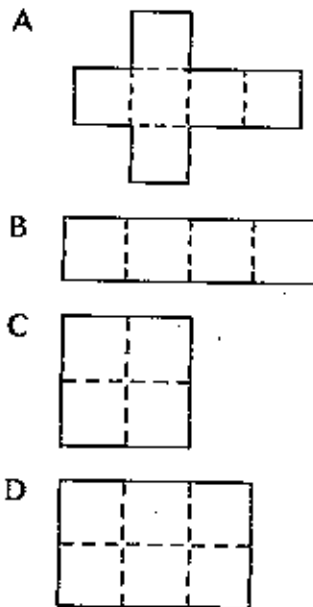
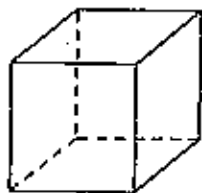
27. Which is 215.91 rounded to the nearest tenth?

A 215.91 C 215.09
 B 215.90 D 216.00

28. Which figure shows a translation?



29. Which net could be used to make the solid figure shown?



30. Which is the range of the data?



Hours Spent Driving this Week

- A 3 C 5
B 4 D 6
31. Sondra wants to buy an orange juice. She needs exactly \$3.55. She has 4 \$1 bills, 8 quarters, 4 dimes, and 5 nickels. She wants to use the least number of bills and coins. Which combination should Sondra use?

- A \$1 bill, 8 quarters, 4 dimes
B 2 \$1 bills, 6 quarters, 1 nickel
C 3 \$1 bills, 2 quarters, 1 nickel
D 3 \$1 bills, 1 quarter, 5 nickels

32. Which number is a prime number?

111 97 36 15

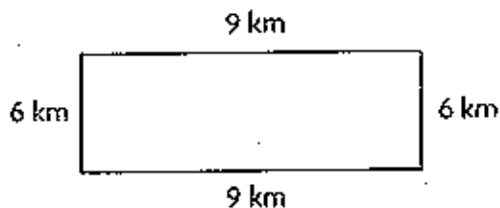
- A 111 C 36
B 97 D 15

33. Which are the partial products?

5×74

- A 20 and 35
B 20 and 350
C 350 and 2
D 350 and 25

34. Which shows the area of the figure?



- A 54 sq km C 36 sq km
B 45 sq km D 27 sq km

35. What is the experimental probability of spinning TWO?

Dan's Results				
Outcomes	Two	Four	Six	Eight
Tally	 	 		



- A $\frac{4}{30}$ C $\frac{9}{30}$
B $\frac{6}{30}$ D $\frac{10}{30}$

Go On

36. Which input/output table matches the rule and the equation?

Subtract 4 from t .

$$t - 4 = u$$

A

Input	t	12	16	20	24	28	32
Output	u	8	12	16	20	24	28

B

Input	t	12	16	20	24	28	32
Output	u	16	20	24	28	32	36

C

Input	t	32	36	40	44	48	52
Output	u	36	40	44	48	52	56

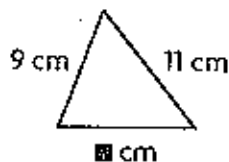
D

Input	t	52	48	44	40	36	32
Output	u	60	44	40	36	42	36

37. Which is the change in temperature from -5°C to 7°C ?

- A 2°C C 11°C
 B 9°C D 12°C

38. Which shows a possible measurement for the missing side of the scalene triangle?



- A 11 C 9
 B 10 D 9.0

39. Which is the best estimate of the quotient?

$$5,971 \div 33$$

- A 10 C 100
 B 20 D 200

40. What is the sum?

$$\frac{4}{38} + \frac{7}{19}$$

- A $\frac{18}{38}$ C $\frac{11}{19}$
 B $\frac{11}{38}$ D $\frac{18}{19}$

41. There are a total of 374 automobiles in the parking lot at the local mall. There are 214 compact cars, and 102 SUVs. The remaining automobiles are trucks. How many trucks are there?

- A 42 trucks
 B 58 trucks
 C 158 trucks
 D 258 trucks

42. Look at the pattern. Which number completes the number sentence?

$$80 \div 8 = 10$$

$$800 \div 80 = 10$$

$$8,000 \div \square = 10$$

$$80,000 \div 8000 = 10$$

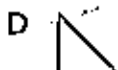
- A 80 C 8,000
 B 800 D 8,800

43. What is the sum?

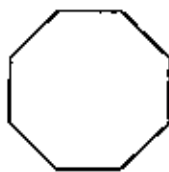
$$41\frac{4}{7} + 7\frac{1}{7}$$

- A $48\frac{2}{7}$ C $48\frac{4}{7}$
 B $48\frac{3}{7}$ D $48\frac{5}{7}$

52. Which of the following figures will tessellate?



53. Which is the name of the polygon?



- A hexagon
B pentagon
C octagon
D trapezoid
54. Jim bought $1\frac{3}{4}$ pounds of peanuts, $1\frac{1}{4}$ pounds of sunflower seeds, $1\frac{2}{3}$ pounds of walnuts, and $1\frac{1}{3}$ pounds of almonds to make trail mix. Which nuts weigh the most?
- A almonds
B peanuts
C sunflower seeds
D walnuts

55. Which equation matches the words?

The same number of strawberries in each of 5 boxes makes a total of 60 strawberries.

- A $60 \div c = 5$
B $c + 5 = 60$
C $60 = c \div 5$
D $c \times 5 = 60$

56. Shono had a test in math class on January 11 and a history test on January 19. How many days passed from Shono's math test to his history test?

- A 7
B 8
C 11
D 19

57. Julie is sending a package to her sister at college. The box is 4 inches long, 3 inches wide, and 2 inches high. Which is the volume of the box?

- A 9 cubic inches
B 12 cubic inches
C 24 cubic inches
D 36 cubic inches

58. How many miles did Mr. Peters run on Wednesday?

Mr. Peters's Daily Running Mileage: He ran 26 miles			
Monday	Wednesday	Friday	Saturday

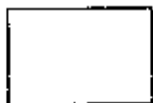
- A 4
B 5
C 6
D 8
59. Which estimate is too high?

- A $12 \overline{)4,998}$
B $41 \overline{)5,127}$
C $29 \overline{)9,125}$
D $70 \overline{)4,021}$

60. Which is the mode of the data?

Number of Puppies per Litter			
Number of Puppies	6	7	8
Frequency	5	6	4

- A 4 C 7
B 6 D 8
61. How many liters are equal to 15,000 milliliters?
A 15,000 L C 150 L
B 1,500 L D 15 L
62. Sara has band practice on Sunday and Wednesday. She has a spelling test on Thursday. On Saturday she helps her parents clean the house. How many days pass from Sara's first band practice until her spelling test?
A 6 C 4
B 5 D 3
63. Vivian went to bed at 9:00 P.M., 6 hours and 30 minutes after school ended. Which shows when school ends?
A 2:30 P.M.
B 2:30 A.M.
C 3:30 P.M.
D 3:30 A.M.
64. Which is the name of the figure shown?

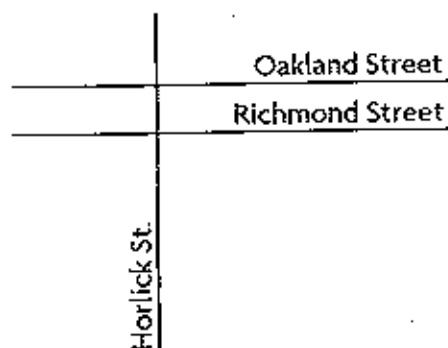


- A trapezoid C pentagon
B hexagon D rectangle

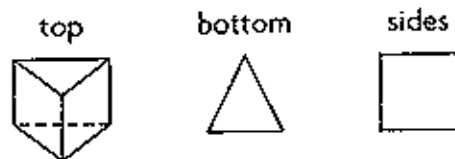
65. Which mixed number is equivalent to 3.50?

- A $3\frac{1}{4}$
B $3\frac{1}{2}$
C $3\frac{3}{4}$
D $3\frac{4}{1}$

66. Which street appears to be perpendicular to Oakland Street?

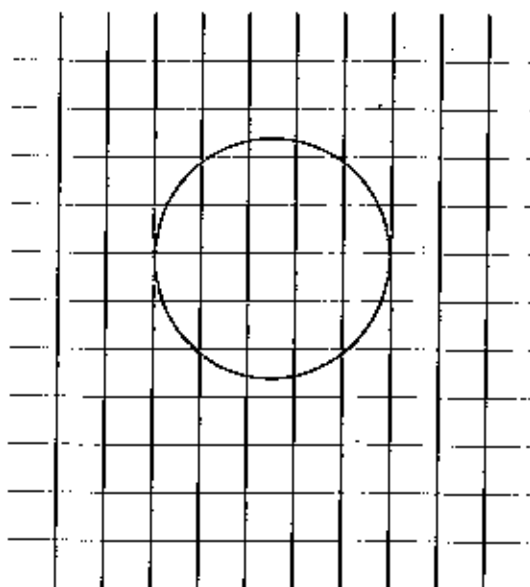


- A Clifford St.
B Horlick St.
C Oakland Ave.
D Richmond St.
67. Which solid figure has the following views?



- A rectangular prism
B triangular prism
C square pyramid
D cube

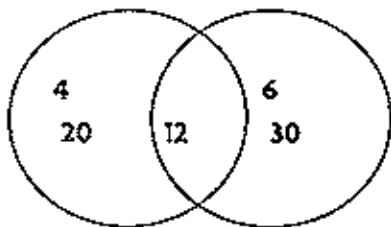
68. What is the best estimate for the area of the figure?



- A 15 sq units C 30 sq units
B 26 sq units D 45 sq units

69. Which number could go in the center section?

Multiples of 4 Multiples of 6



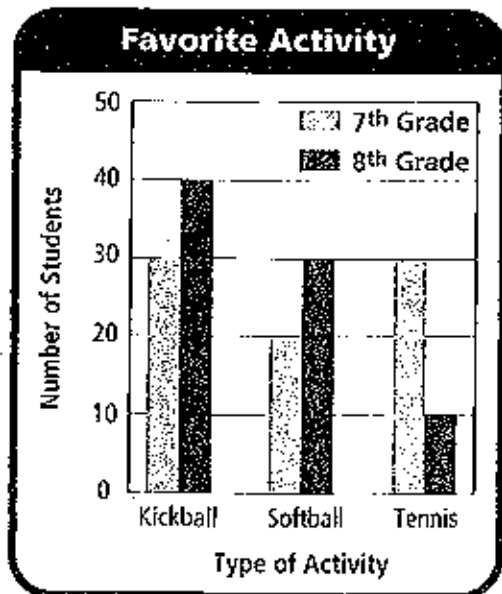
- A 24 C 30
B 26 D 46

70. How many tons are equal to 36,000 lb?

$$36,000 \text{ lb} = \square \text{ T}$$

- A 18 C 12
B 15 D 10

71. How many more eighth-graders than seventh-graders chose kickball as their favorite P.E. activity?



- A 40 C 20
B 30 D 10

72. David has number chips in a bag numbered from 1 to 25. How likely is it that he will pick a number greater than 22?

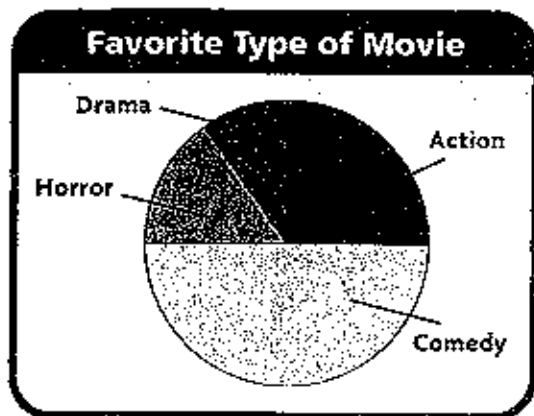
- A impossible
B certain
C unlikely
D likely

73. Which shows a related fact you can use to complete the number sentence?

$$\square - 8 = 3$$

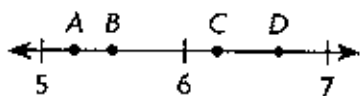
- A $8 - 3 = 5$ C $8 + 5 = 13$
B $3 + 8 = 11$ D $13 - 5 = 8$

74. Which type of movie received half of the votes?

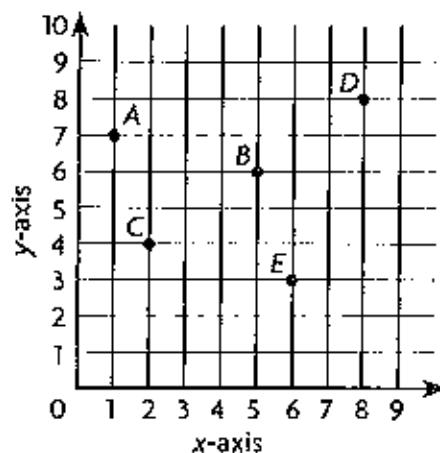


- A Action C Drama
B Comedy D Horror
75. Which are the first eight multiples of 4?
- A 0, 1, 4, 8, 12, 20, 24, 28
B 1, 2, 3, 4, 5, 6, 7, 8
C 4, 16, 36, 48, 54, 63, 72
D 4, 8, 12, 16, 20, 24, 28, 32

76. Which letter on the number line represents $6\frac{1}{4}$?



- A D C B
B C D A
77. Tess is thinking of two numbers. The sum of the two numbers is 18. The product of the numbers is 81. What are Tess' numbers?
- A 8, 8 C 9, 9
B 8, 9 D 10, 9
78. Which point is located at (8, 8)?



- A D C B
B C D A

79. Which tells where to place the first digit?

$$7 \overline{)148}$$

- A hundreds
B teens
C tens
D ones

80. Which is $\frac{50}{450}$ written in simplest form?

- A $\frac{1}{5}$ C $\frac{1}{9}$
B $\frac{5}{50}$ D $\frac{2}{20}$

81. Estimate to compare. Which symbol makes the statement true?

$$228 \div 5 \quad \text{vs} \quad 898 \div 9$$

- A < C ×
B = D >

Go On

82. What is the difference?

$$\begin{array}{r} 7,128,795 \\ - 4,985,548 \\ \hline \end{array}$$

- A 2,134,274
 B 2,143,247
 C 3,134,246
 D 3,143,247
83. Simon delivers 275 pizzas each week. How many pizzas does Simon deliver in 45 weeks? Which shows a simpler problem you can use to solve the more difficult problem?
- A $200 + 0 + 70 + 50 + 5 + 0$
 B $(200 \times 75) + (45 \times 200)$
 C $(200 \times 45) + (70 \times 45) + (5 \times 45)$
 D $(200 + 45) \times (70 + 45) \times (5 + 45)$
84. Maggie planted 35 sunflower seeds in her garden. She puts the same number of sunflower seeds into each of 5 pots. How many sunflower seeds are in each pot?
- A 7 C 5
 B 6 D 4

85. In which list do all the numbers make the inequality true?

$$3 \times y > 33$$

- A 8, 9, 10
 B 10, 11, 12
 C 11, 12, 13
 D 15, 16, 17

86. Which is the best estimate of the product?

$$\begin{array}{r} \$53.12 \\ \times \quad 5 \\ \hline \end{array}$$

- A \$110 C \$450
 B \$250 D \$500
87. Which is the missing number?
- $$101 + \square = 102$$
- A 11 C 1
 B 10 D 0
88. Which shows the decimals ordered from least to greatest?
- A 6.45; 6.43; 6.33; 6.44
 B 6.34; 6.50; 6.41; 6.75
 C 6.9; 6.50; 6.41; 6.33
 D 6.38; 6.39; 6.40; 6.95
89. Which are the missing numbers?

Input, p	1	2	3	4	5	6	7
Output, q	4	8	12	\square	\square	\square	\square

- A 16, 20, 24, 28
 B 10, 12, 14, 16
 C 8, 10, 12, 14
 D 4, 5, 7, 8

Stop