

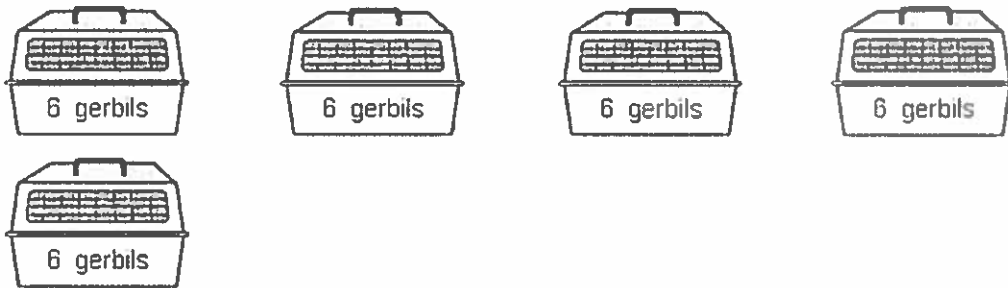
-
- 1 What is $500,000 + 90,000 + 1,000 + 400 + 20 + 5$ written in standard form?
- A 59,425
 - B 590,425
 - C 591,420
 - D 591,425
- 2 Which symbol goes in the circle to make the sentence TRUE?
4,129 ○ 4,192
- A +
 - B >
 - C =
 - D <
- 3 Which number sentence helps you answer the question?
Earl made a mosaic using colored tiles. He used 5 blue tiles and 2 green tiles. How many colored tiles did he use in all?
- A $5 + 5 = 10$
 - B $5 + 2 = 7$
 - C $7 + 3 = 10$
 - D $5 - 3 = 2$
- 4 Round 44 to the nearest ten.
- A 40
 - B 45
 - C 50
 - D 60
- 5 South Middle School has 735 students. North Middle School has 837 students. How many more students does North Middle School have than South Middle School?
- A 87 students
 - B 92 students
 - C 102 students
 - D 112 students
- 6 Which has the same value as 8×4 ?
- A $8 + 4$
 - B $8 + 8 + 8 + 8$
 - C $8 + 8 + 8 + 4$
 - D $8 + 4 + 8 + 4$

7 What multiplication sentence could Nicole write for this array?



- A 2×3
- B 3×3
- C $3 + 3$
- D 3×4

8 There were 5 cages of gerbils in a shipment to the pet store. There were 6 gerbils in each cage. How many gerbils were in the shipment?



- A 12
- B 18
- C 24
- D 30

9 Which number sentence is TRUE?

- A $7 \times 1 = 0$
- B $7 \times 1 = 1$
- C $7 \times 1 = 7$
- D $7 \times 0 = 1$

10 Henry has 6 friends over for dinner. He wants to serve them 4 shrimp each. How many shrimp should Henry prepare for his friends?

- A 18 shrimp
- B 24 shrimp
- C 28 shrimp
- D 32 shrimp

11 What is the product of $3 \times 5 \times 2$?

- A 10
- B 15
- C 20
- D 30

12 Leah has 16 marshmallows to put in 8 cups of hot cocoa. She wants to put the same number of marshmallows in each cup. How many marshmallows should she put in each cup?



- A 2
- B 3
- C 4
- D 5

13 Kyle has 19 red blocks and 8 green blocks. How many blocks does Kyle have in all?

- A $19 + 8 = n$
- B $19 + 8 = n$
- C $n + 8 = 19$
- D $8 = n + 19$

14 What number is missing?

$$\square \times 8 = 24$$

$$24 \div \square$$

- A 3
- B 4
- C 5
- D 6

15 Jessica wants to give 25 comic books equally to 5 of her friends. Which equation shows how to find the number of comic books each friend will get?

- A $n = 25 + 5$
- B $n = 5 - 0$
- C $n = 25 - 5$
- D $n = 25 \div 5$

16 Look at the grid below. What fraction of the grid is shaded?



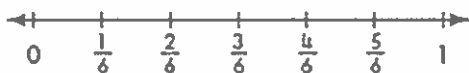
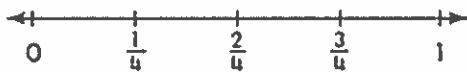
- A $\frac{3}{3}$
- B $\frac{3}{6}$
- C $\frac{2}{6}$
- D $\frac{4}{6}$

17 Greg had 6 apples. He gave away $\frac{1}{6}$ of them. How many apples did he give away?



- A 1 apple
- B 2 apples
- C 3 apples
- D 4 apples

18 Compare. Use the number lines. Which symbol makes the statement TRUE?



$\frac{3}{4}$ $\frac{5}{6}$





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

19 What fraction is equivalent to $\frac{2}{3}$?





1											
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

- A $\frac{4}{6}$
- B $\frac{5}{6}$
- C $\frac{9}{12}$
- D $\frac{3}{3}$

20 Which figure is an equilateral triangle?

- A  A right-angled triangle with a small square at the bottom-right vertex.
- B  An equilateral triangle with all three sides of equal length.
- C  A trapezoid with one horizontal base and one horizontal top, and two slanted sides.
- D  A rhombus or diamond shape with all four sides of equal length.

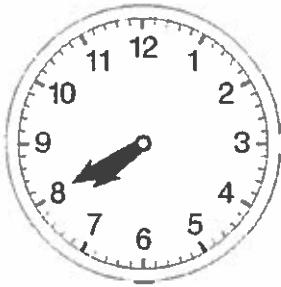
21 Which figure is NOT a parallelogram?

- A  A parallelogram with two pairs of parallel sides.
- B  A parallelogram with two pairs of parallel sides.
- C  A trapezoid with one horizontal base and one horizontal top, and two slanted sides.
- D  A rectangle with two pairs of parallel sides.

22 Which is the most likely time to eat lunch?

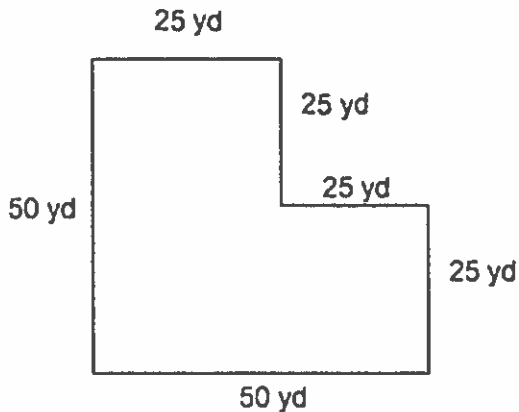
- A 4:30 A.M.
- B 8:30 A.M.
- C 12:30 P.M.
- D 5:30 P.M.

23 This clock shows what time Eric finished dinner. What time did Eric finish dinner?



- A 6:40
- B 8:40
- C 7:40
- D 8:00

24 What is the perimeter of the polygon?

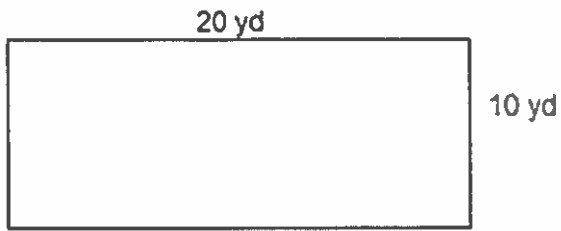


- A 175 yards
- B 200 yards
- C 225 yards
- D 250 yards

25 Together, Haley, Tina, and David bought 30 apples. Haley bought 3 more apples than David. Tina and David bought the same number. How many apples did David buy?

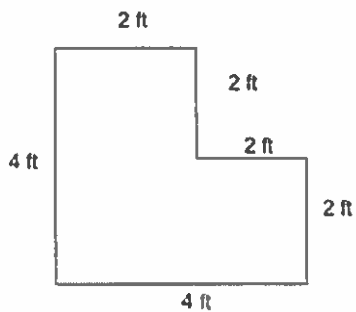
- A 9 apples
- B 12 apples
- C 27 apples
- D 15 apples

26 What is the area of the figure?



- A 60 square yards
- B 100 square yards
- C 200 square yards
- D 2,000 square yards

27 What is the area of the figure?



- A 20 square feet
- B 16 square feet
- C 14 square feet
- D 12 square feet

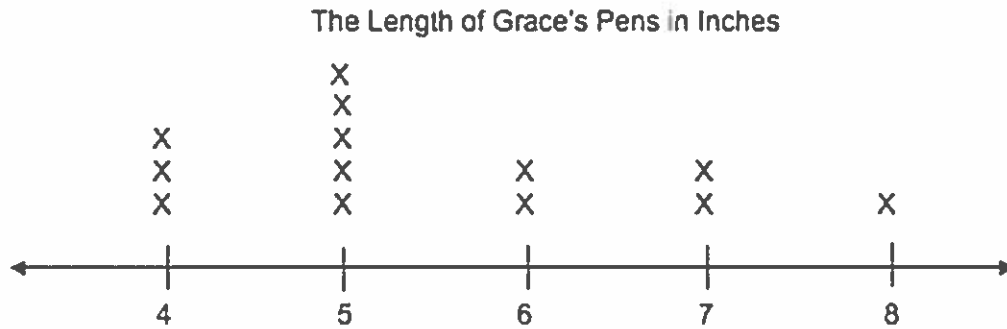
28 Which is the best estimate for the capacity of large shampoo bottle?



- A 1 liter
- B 1 milliliter
- C 10 liters
- D 5 milliliters

- 29 Tom wants to divide 30 pints of juice equally in 5 containers. How many pints should he pour into each container?
- A 5
 - B 6
 - C 8
 - D 35

- 30 Grace measures all of the pens in her desk. The line plot shows the lengths of her pens in inches. What is the difference between the longest pen she measured and the shortest pen she measured?



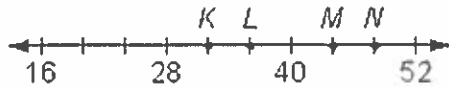
- A 4 inches
 - B 6 inches
 - C 6 inches
 - D 8 inches
- 31 Paula surveyed her classmates to find out their favorite pizza toppings. The results of her survey are shown below.

Outcome	Tally
Mushroom	
Pepperoni	
Sausage	

If each circle equals 2 pizzas, how many circles should pepperoni have in the pictograph?

- A
- B
- C
- D

32 Which point on the number line represents 44?



- A point *K*
- B point *L*
- C point *M*
- D point *N*

33 Which number could be written in the box to make the number sentence correct?

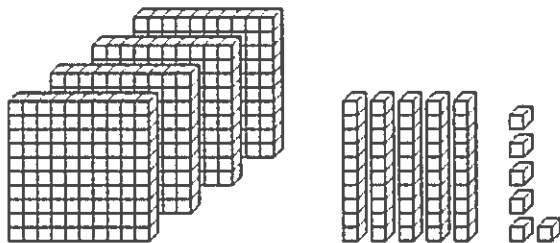
$$245 > \square$$

- A 254
- B 345
- C 246
- D 243

34 Lara has 10 stickers, and Megan has 3 stickers. Which number sentence shows how many more stickers Lara has than Megan?

- A $10 + 3 = 13$
- B $10 - 3 = 7$
- C $10 - 7 = 3$
- D $13 - 10 = 3$

35 Ying has to rearrange 456 compact discs. He has already moved 250 of them. How many more compact discs does Ying have to move?



- A 206
- B 260
- C 356
- D 406

36 Complete each multiplication sentence.

$$7 \times 4 = 28 \text{ so } 4 \times 7 =$$

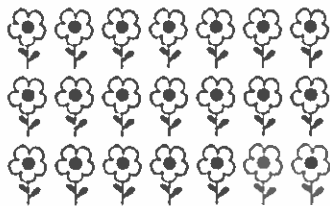
- A 28
- B 21
- C 14
- D 11

37 What 2 factors could Mark write to get a product of 25?

$$25 = \square \times \square$$

- A 5, 5
- B 6, 5
- C 4, 5
- D 2, 5

38 Hal planted 3 rows of flowers. Each row has 7 flowers. How many flowers did Hal plant?



- A 14 flowers
- B 15 flowers
- C 21 flowers
- D 28 flowers

39 Compare. Which symbol makes the statement TRUE?

1							
$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$$\frac{3}{8} \text{ ? } \frac{4}{8}$$

- A <
- B >
- C =
- D +

40 Compare. Which symbol makes the statement TRUE?

$$\frac{4}{6} \quad \frac{5}{6}$$

- A <
- B >
- C =
- D +

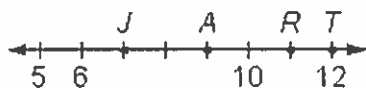
41 What is $2,000 + 400 + 20 + 4$ written in standard form?

- A 2,424
- B 2,404
- C 2,400
- D 24,424

42 Mr. Thomas said, "Turn to page three thirty-eight." What is the page number written in standard form?

- A 383
- B 338
- C 308
- D 333

43 The children in the Harris family marked their ages on a number line. Richard marked his age with the letter *R*. How old is Richard?



- A 7
- B 9
- C 11
- D 12

44 Which group of numbers is listed from greatest to least?

- A 7,306 3,476 4,760
- B 4,760 7,306 3,476
- C 3,476 4,760 7,306
- D 7,306 4,760 3,476

45 Which symbol goes in the circle to make the sentence TRUE?

6,798 ○ 6,799

- A +
- B >
- C =
- D <

46 What is one way you could find the sum of $62 + 37$ using mental math?

- A $60 + 30$ and $2 + 7$
- B $60 + 20$ and $2 + 10$
- C $20 + 40$ and $2 + 5$
- D $60 + 10$ and $10 + 7$

47 A train left the terminal with 59 passengers. At the first stop, 36 passengers got off the train, and no passengers got on the train. How many passengers were left on the train? Use mental math to solve.

- A 23
- B 36
- C 53
- D 105

48 To subtract $55 - 17$ mentally, Joanna subtracted $55 - 20 = 35$ first. What should she do next?

- A Subtract $35 - 3$.
- B Subtract $35 - 2$.
- C Add $35 + 3$.
- D Add $35 + 2$.

49 Round 57 to the nearest ten.

- A 40
- B 55
- C 60
- D 70

50 Which of the following shows the sum of the hundreds, tens, and ones for $215 + 362$?

- A $500 + 50 + 2$
- B $500 + 70 + 7$
- C $500 + 60 + 7$
- D $500 + 40 + 8$

51 Hank has 24 pennies, 52 nickels, and 10 dimes. How many coins does he have in all?

- A 86 coins
- B 68 coins
- C 96 coins
- D 89 coins

52 Find $476 - 128$.

- A 145
- B 248
- C 338
- D 348

53 Mrs. Lee's class promised to collect 500 cans of food for the homeless. The class has collected 189 cans. How many more cans does the class need to collect?

- A 207 cans
- B 301 cans
- C 310 cans
- D 311 cans

54 Which has the same value as $8 + 8 + 8 + 8 + 8 + 8$?

- A $8 + 8$
- B 8×6
- C 4×8
- D $8 + 24$

55 Which has the same value as 4×2 ?

- A $4 + 2$
- B $4 \div 2 \div 4 +$
- C $2 + 4 + 4$
- D $2 \ 2 \ 2 \ 2$

56 Complete each multiplication sentence.

$5 \times 4 = 20$ so $4 \times 5 =$

- A 9
- B 20
- C 11
- D 1

- 57 There were 4 cages of hamsters in a shipment to the pet store. There were 3 hamsters in each cage. How many hamsters were in the shipment?



- A 7
- B 12
- C 15
- D 18

- 58 What symbol will make the number sentence TRUE?

$$1 \times 65 \bigcirc 0 \times 91$$

- A +
- B >
- C =
- D <

- 59 Mr. Jackson wrote the following problem on the board:

$$10 \times \square = 40$$

What number would make this multiplication sentence TRUE?

- A 3
- B 4
- C 10
- D 40

- 60 Which is the missing factor?

$$10 \times 6 = (\underline{\quad} 5) + (4 \times 5)$$

- A 5
- B 7
- C 8
- D 10

- 61 In a stable there are 9 horses. Each horse needs 4 horse-shoes. How many horse-shoes are needed in all?

- A 14
- B 18
- C 27
- D 36

62 Ashley has 45 basketball cards to give equally to 9 friends. How many basketball cards does she give to each friend?

- A 8
- B 6
- C 5
- D 4

63 George wants to find out how many groups of 3 are in 12. If he uses repeated subtraction, what is his first step?

- A Subtract $12 - 3$.
- B Subtract $12 - 6$.
- C Add $12 + 3$.
- D Add $3 + 3$.

64 Kendra has \$8 to buy nail polish. If each bottle of nail polish costs \$2, how many bottles of nail polish can she buy?

- A 2
- B 3
- C 4
- D 5

65 What number is missing?

$$\square \times 5 = 20$$

$$20 \div \square$$

- A 2
- B 4
- C 5
- D 20

66 Which division sentence shows that there are 6 groups of 8 in 48?

- A $6 \div 6 = 1$
- B $48 \div 8 = 6$
- C $8 \times 48 = 384$
- D $8 \times 6 = 48$

67 Divide 0 by 7.

- A 9
- B 1
- C 0
- D Cannot be done

68 What fraction of the line is not shaded?



- A $\frac{1}{8}$
- B $\frac{2}{8}$
- C $\frac{6}{8}$
- D $\frac{3}{6}$

69 Compare. Which symbol makes the statement TRUE?

$$\frac{3}{8} \quad \frac{2}{8}$$

- A $<$
- B $>$
- C $=$
- D $+$

70 Compare. Which symbol makes the statement TRUE?

$$\frac{4}{6} \quad \frac{4}{12}$$

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

71 Complete the equivalent fraction.

$$\frac{1}{3} = \frac{?}{6}$$

1											
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

- A 1
- B 2
- C 3
- D 4

72 Which figure is a trapezoid?



73 Which is another way to write 6:45?

- A quarter to 6
- B quarter after 6
- C 15 minutes after 7
- D quarter to 7

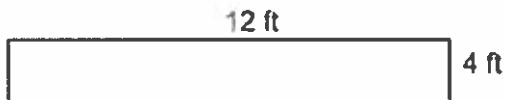
74 How many seconds are in 3 minutes?

- A 120
- B 180
- C 240
- D 300

75 Which tool should be used for measuring the perimeter of a chalkboard?

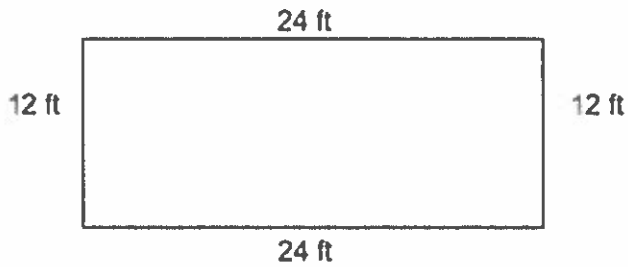
- A ruler
- B yardstick
- C measuring tape
- D string

76 What is the area of the figure?



- A 48 square feet
- B 60 square feet
- C 144 square feet
- D 154 square feet

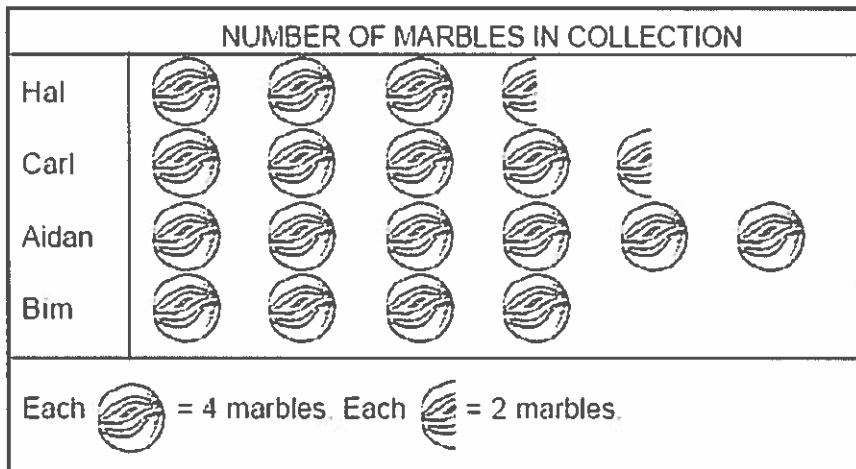
- 77 Craig is putting a wallpaper border around the room. How many feet of wallpaper border does he need?



- A 24 ft
 B 36 ft
 C 62 ft
 D 72 ft
- 78 Which is the best estimate of the capacity of a bathtub?

- A 2 gallons
 B 50 pints
 C 5 pints
 D 13 gallons

- 79 Using the pictograph, which person has 16 marbles in his collection?



- A Hal
 B Carl
 C Aidan
 D Bim
- 80 Using the pictograph, which person has the fewest number of marbles?

- A Hal
 B Carl
 C Aidan
 D Bim