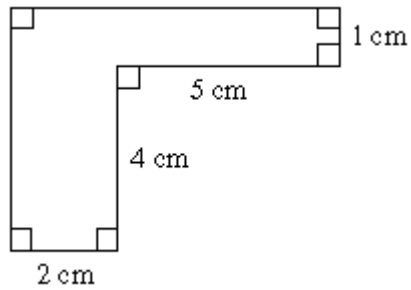Name: _____   Score: _____

Session 2

31

What is the area, in square centimeters, of the figure below?

A multiplication table is shown.

×	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Key
■ Shaded
□ Unshaded

Which statement correctly describes how to find the multiples of 3 in the multiplication table?

    A. Find all the numbers that end with 3.
    B. Find all the numbers that begin with 3.
    C. Find all the numbers in the same row or in the same column as a shaded 3.
    D. A multiplication table cannot be used to find multiples.

33

Select all the numbers that will equal 600 when rounded to the nearest hundred.

    A. 648
    B. 544
    C. 587
    D. 609
    E. 675

34

Select all the expressions that are equal to 431.

    A. 250 + 81
    B. 723 − 292
    C. 166 + 255
    D. 570 − 149
    E. 195 + 236

35

Select all the fractions that are equivalent to a whole number.

☐ $\dfrac{8}{4}$

☐ $\dfrac{3}{6}$

☐ $\dfrac{1}{2}$

☐ $\dfrac{12}{7}$

☐ $\dfrac{4}{1}$

36

Select all the expressions that could be used to find 4 x 20.

    A. 4 x (2 + 10)
    B. 4 x (2 x 10)
    C. 20 x 4
    D. (2 x 10) x 4
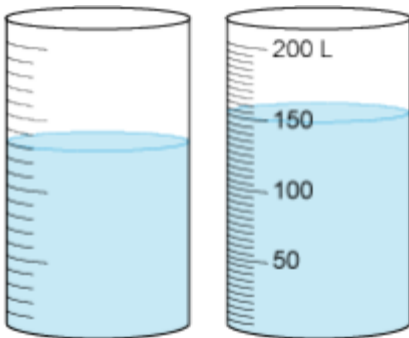   E. (4 x 10) x (4 x 2)

37

Pedro arrives at the dentist's office at 3:47 p.m. He leaves at 4:23 p.m. How many minutes was he in the dentist's office?

38

Approximately how many liters are in Container A?
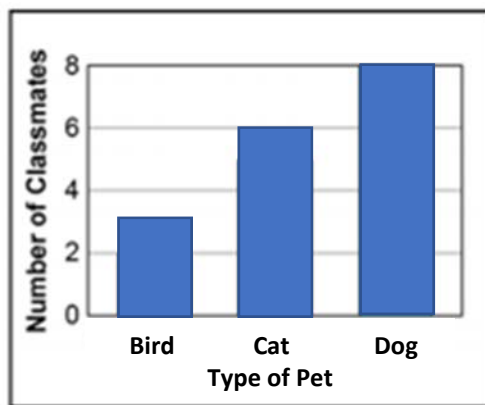
Container A   Container B

    A. 100 L
    B. 130 L
    C. 150 L
    D. 180 L
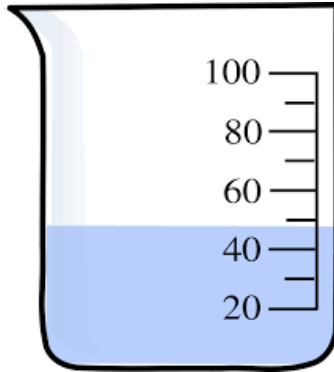
39

Select all expressions that have a product of 240.

    A. 3 x 60

    B. 6 x 40

    C. 9 x 30

    D. 4 x 60

    E. 8 x 30

40

Ariana surveys her classmates about their favorite kind of pet, as shown in the bar graph.

How many more students prefer dogs over birds?

```
┌─────────────────┐
│                 │
└─────────────────┘
```

41

The measurements of the beaker below are in liters. Approximately how many liters are in the beaker shown?

```
100 —
 80 —
 60 —
 40 —
 20 —
```

A. 40 liters
B. 50 liters
C. 60 liters
D. 70 liters

42

Gary planted 40 tomato plants in his garden. He put an equal number of plants in each row. Which sentence could **not** describe how the tomato plants were planted?

A. Gary planted 20 rows of 20 tomato plants.

B. Gary planted 5 rows of 8 tomato plants.

C. Gary planted 4 rows of 10 tomato plants.

D. Gary planted 2 rows of 2 tomato plants.

43

A figure is shown. Part of the figure is shaded.
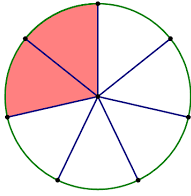
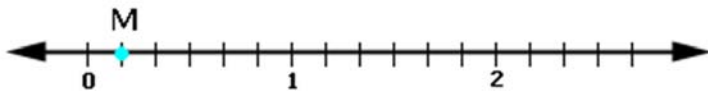What fraction of the total area of the figure does the shaded part represent?

44

What is the value of the unknown number in the equation 7 x 4 = ___?

    A. 11

    B. 14

    C. 28

    D. 74

45

Select the fraction below that is equivalent to the fraction represented by the number line.

M

0   1   2
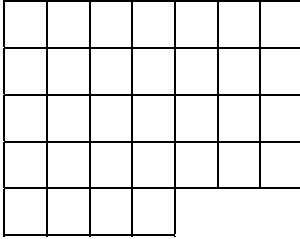
    A. $\dfrac{2}{16}$

    B. $\dfrac{3}{18}$

    C. $\dfrac{6}{1}$

    D. $\dfrac{1}{2}$

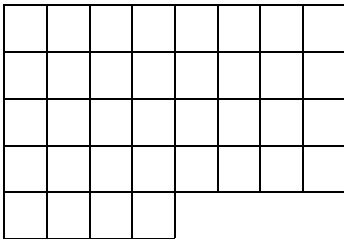Which multiplication sentence below will **not** end up with an even product?

A. Odd x odd

B. Even x odd

C. Even x even

D. Odd x even

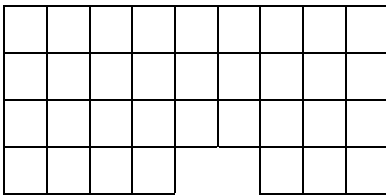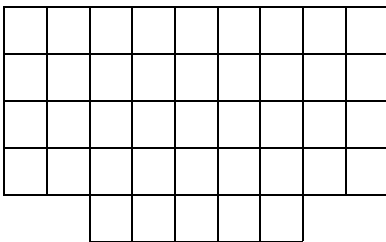The area of Kimberly's floor is greater than 35 square feet. Select all the floors that could be Kimberly's.
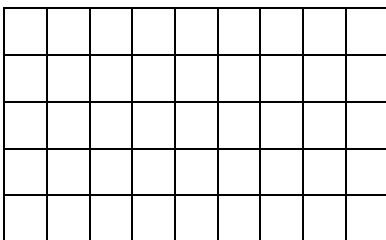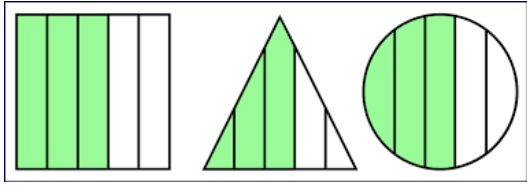
A.

B.

C.

D.

E.

48

Which shape(s) represents the fraction $\frac{3}{5}$?

   A. the square

   B. the triangle

   C. the circle

   D. all three shapes

49

Mr. Spencer has 10 tables in his classroom. There are 4 students at each table. Each student has 8 colored pencils.

A. How many colored pencils are at each table?

B. How many colored pencils do all of Mr. Spencer's students have combined?

50

A bookstore has 6 boxes of books. Each box contains 30 books. On Saturday, the bookstore sold 38 books. How many books remain to be sold?

51

The perimeter of a rectangular field is 96 yards. The length of the field is 32 yards. What is the width, in yards, of the field?

52

Each shape shown represents $\frac{1}{3}$ of a whole.
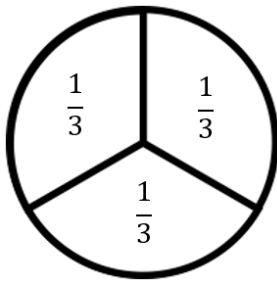
How many shapes should be put together to make $\frac{7}{3}$?

53

Select the characteristic that applies to all trapezoids.

   A. Has at least one right angle
   B. Has one pair of parallel sides
   C. Has one pair of perpendicular sides
   D. Has 4 congruent angles

54

Which is a way to find the value of 54 ÷ 6?

    A. find the number that when divided by 6 equals 54

    B. find the number that when added to 6 equals 54

    C. find the number that when subtracted from 6 equals 54

    D. find the number that when multiplied by 6 equals 54

55

Match each number to the value of the number rounded to the nearest 10 by marking the appropriate box.

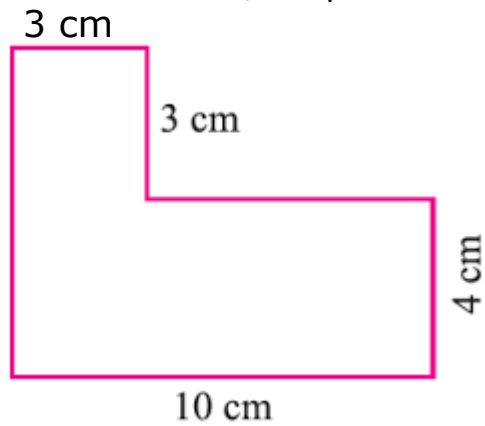|	160	170	180
163	☐	☐	☐
171	☐	☐	☐
174	☐	☐	☐

56

Mallory counts all the tiles on her floor. Each of the floor tiles is a square. What measurement does Mallory find by counting all the floor tiles?

    A. the perimeter of the floor

    B. the cost of the tiles

    C. the area of one tile

    D. the area of the floor
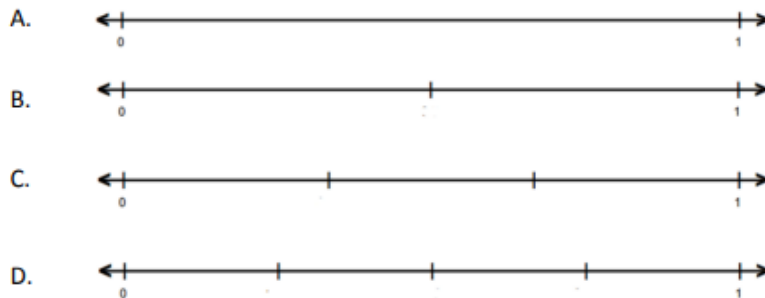
57

What is the area, in square centimeters, of the figure shown?

3 cm

3 cm

4 cm

10 cm

58

Which number line is divided into fourths?

A. <------|----------------------------------|------>
         0   1

B. <------|----------------------|-----------|------>
         0   1

C. <------|---------------|---------------|---|------>
         0   1

D. <------|---------|---------|---------|---------|------>
         0   1

59

Teresa has 72 pieces of candy she wants to give to her friends. She divides the candy among eight bags, putting an equal amount in each bag. Which equation can Teresa use to determine how many candies should be in each bag?

    a. $72 \div 8 =$ ____

    b. $8 \div 72 =$ ____

    c. $72 \times 8 =$ ____

    d. $72 \times$ ____ $= 8$