Hi 5th graders,

Please complete the practice test. Don't stress out about it! Do the best you can! I will post an answer key online or I can email you one in a couple of weeks. Just try to the best of your ability. I am also including some fun math worksheets for you to do to practice your math skills. I'm including a Spongebob Squarepants graph. Again, do the best you can! It's not a big deal! You can google about graphing if necessary. Remember to start on the horizontal axis (x-axis) first, then the second number goes on the vertical axis (y-axis). These skills are for you to practice and to keep you sharp! Have fun with it, and I will go over everything when I see you again. Also, please get as many blue ribbons as you can on Study Island. If you finished the first set, go to U.S. programs and do those blue ribbons! Practice as much as you can. I miss you guys and hope to see you soon!
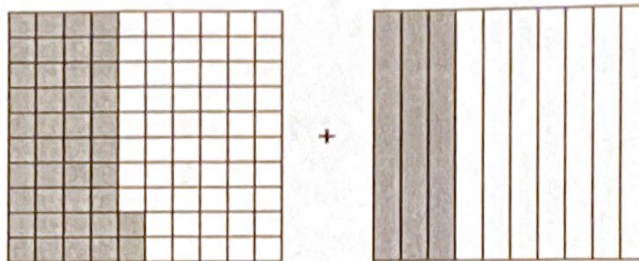
Love,
Mrs. Wagner

1 Mr. Smith has 1,104 student photos to display around the school. He plans to put them on 48 poster boards with the same number of photos on each poster board. How many student photos will Mr. Smith place on each poster board?

A   20

B   22

C   23

D   24

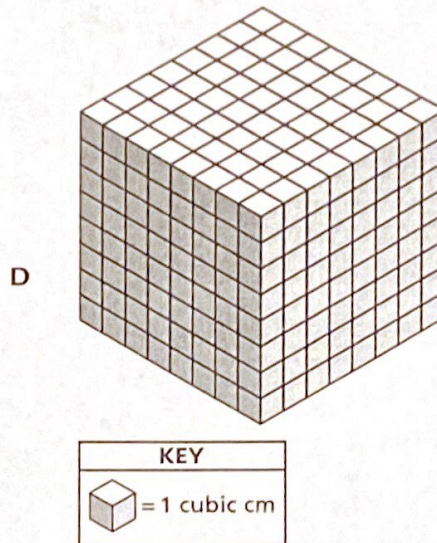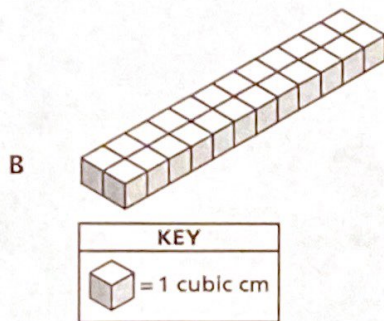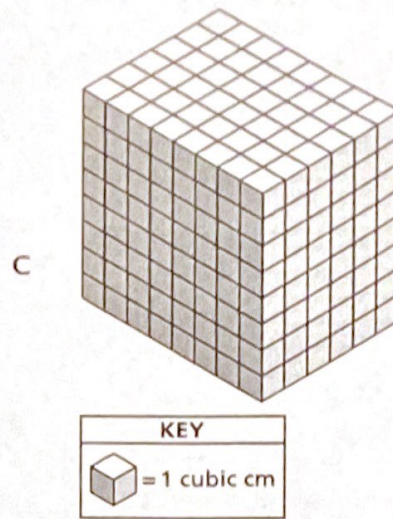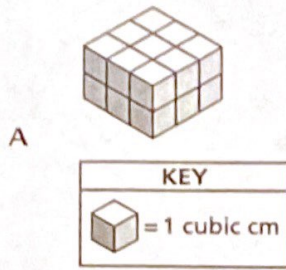**2** The shaded parts of the models below each represent a fraction.

What is the sum of the fractions?

A $\dfrac{45}{110}$

B $\dfrac{65}{110}$

C $\dfrac{70}{100}$

D $\dfrac{72}{100}$

GO ON

3 Jake used 1-centimeter cubes to build a right rectangular prism that has a volume of 24 cubic centimeters. Which figure could represent the prism that Jake built?
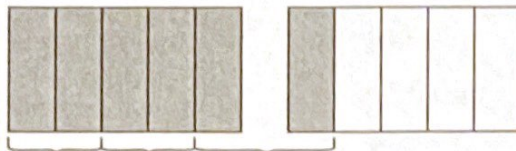
A

KEY
= 1 cubic cm

B

KEY
= 1 cubic cm

C

KEY
= 1 cubic cm

D

KEY
= 1 cubic cm

GO ON

10 A school librarian ordered new books for the library. Of the new books ordered, $\frac{1}{3}$ are science, $\frac{2}{5}$ are biography, and the rest of the books are fiction. What fraction of the books ordered are fiction?

A $\frac{3}{5}$

B $\frac{3}{8}$

C $\frac{4}{15}$

D $\frac{11}{15}$

11 The model below is shaded to represent an expression.

Which expression represents the model?

A $\frac{1}{3} \times \frac{2}{5}$

B $\frac{1}{3} \times \frac{5}{2}$

C $3 \times \frac{2}{5}$

D $3 \times \frac{5}{2}$

GO ON

13 Which shape always has four congruent sides?

A   parallelogram

B   rectangle

C   rhombus

D   trapezoid

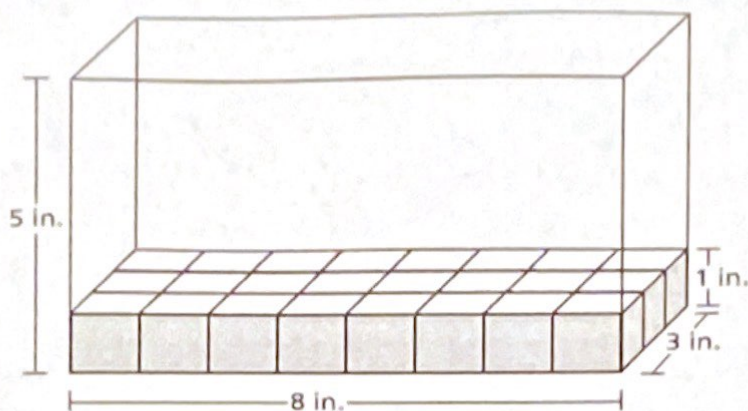**14** Which statement describes the value of the expression below?

$$67 \times \frac{1}{6}$$

A   The value is less than 67.

B   The value is equal to 67.

C   The value is greater than 67.

D   The value is greater than 0 and less than 1.

GO ON

17 The diagram below shows some 1-inch cubes placed in a box.

5 in.

1 in.

3 in.

8 in.

How many **more** 1-inch cubes are needed to completely fill the box?

A   16

B   24

C   96

D   120

18 Which expression has a value that is greater than 42.537 ?

A $(4 \times 10) + (2 \times 1) + \left(5 \times \frac{1}{10}\right) + \left(9 \times \frac{1}{100}\right) + \left(3 \times \frac{1}{1,000}\right)$

B $(4 \times 10) + (1 \times 1) + \left(6 \times \frac{1}{10}\right) + \left(2 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1,000}\right)$

C $(4 \times 10) + (2 \times 1) + \left(5 \times \frac{1}{10}\right) + \left(3 \times \frac{1}{100}\right) + \left(7 \times \frac{1}{1,000}\right)$

D $(4 \times 10) + (2 \times 1) + \left(5 \times \frac{1}{10}\right) + \left(1 \times \frac{1}{100}\right) + \left(9 \times \frac{1}{1,000}\right)$

GO ON

24 A state fair held a heaviest-pumpkin contest. The winning pumpkin weighed 2,050 pounds. What is the weight, in ounces, of the winning pumpkin?

A   8,200

B   16,400

C   24,600

D   32,800

25 Which expression can be used to represent 8 more than the product of 15 and 12?

A $15 \times 12 + 8$

B $(15 + 12) \times 8$

C $15 \times 12 \times 8$

D $15 \times (12 + 8)$

GO ON

28 The volume of a single layer in a rectangular prism is 18 cubic centimeters. There are 5 layers in this rectangular prism. What is the volume, in cubic centimeters, of this rectangular prism?

A   90

B   23

C   13

D   3.6

29 Which situation could the expression $\frac{1}{4} \div 3$ represent?

A $\frac{1}{4}$ of a package of pencils shared equally among three friends

B   the number of $\frac{1}{4}$-cup servings in three cups of popcorn

C $\frac{1}{3}$ of a stadium split into four equal sections

D   a four-foot-long rope cut into $\frac{1}{3}$-foot pieces

30 Caley builds a rectangular prism using 18 cubes that each measure 1 centimeter on each side. What could be the dimensions of her rectangular prism?

A   length: 2 cm   width: 2 cm   height: 3 cm

B   length: 2 cm   width: 3 cm   height: 3 cm

C   length: 3 cm   width: 3 cm   height: 3 cm

D   length: 6 cm   width: 6 cm   height: 6 cm

STOP

31 How many $\frac{1}{3}$-cup servings are in 4 cups?

A $\frac{1}{12}$

B $\frac{3}{4}$

C   4

D   12

32 What is the value of $9\frac{2}{3} - 4\frac{1}{5}$?

A $5\frac{1}{8}$

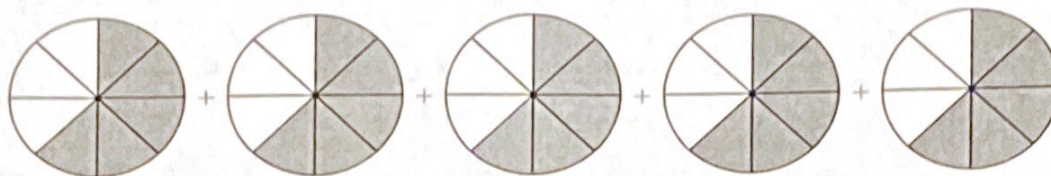B $5\frac{7}{8}$

C $5\frac{5}{15}$

D $5\frac{7}{15}$

GO ON

33 Which decimal number is equivalent to $\frac{73}{100}$?

A   0.73

B   7.30

C   73.100

D   100.73

34 Which expression could be represented by the shaded parts of the model below?

A $\frac{5}{8} + \frac{5}{5}$

B $\frac{5}{8} \times \frac{5}{5}$

C $\frac{5}{8} + 5$

D $\frac{5}{8} \times 5$

35 Three boxes are shipped on a truck. Each box has a base of 16 square feet. Two of the boxes have a height of 3 feet and one box has a height of 5 feet. What is the total volume, in cubic feet, of the three boxes?

A 240

B 176

C 144

D 128

36 Lin's goal is to drink 8 cups of water every day. She drank 37 ounces before lunch today. How much more water does Lin need to drink today to reach her goal?

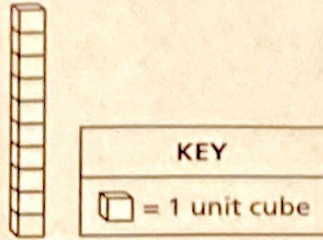A 27 ounces

B 29 ounces

C 59 ounces

D 91 ounces

37 Ursula drew a polygon in which all the angles were obtuse. What kind of polygon could she have drawn?

A trapezoid

B parallelogram

C triangle

D pentagon

GO ON

38 Anna is building a figure that has three columns of unit cubes. The first column is shown below.

KEY

☐ = 1 unit cube

The other two columns each have four fewer unit cubes than the first column. What is the volume, in cubic units, of Anna's figure?

A 12

B 16

C 22

D 24

40 Write a number in which the value of the digit 3 is 10 times the value of the digit 3 in 156.32. Explain how you know the number you wrote is correct.

Answer

_____

_____

_____

41 Mark and his friends order two pizzas of the same size.

- The first pizza is cut into 6 slices of equal size.

- The second pizza is cut into 4 slices of equal size.

Each person plans to take 2 slices of pizza. Mark concludes that he would get more pizza by taking 1 slice from each pizza, instead of 2 slices from the first pizza. Explain why Mark is correct. Be sure to include a number comparison using > or < in your explanation.
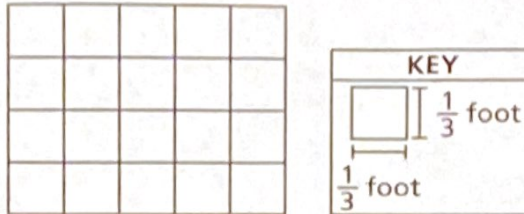
Answer

_____

_____

_____

GO ON

42 A section of a rectangular floor is covered with square floor tiles, as shown below.

Each square tile has a side length of $\frac{1}{3}$ foot.

KEY
$\square$ $\frac{1}{3}$ foot
$\frac{1}{3}$ foot

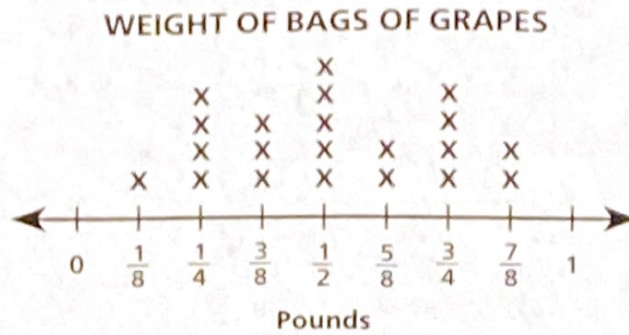What is the area, in square feet, of the section of the rectangular floor that is covered with floor tiles?

Show your work.

Answer _____ square feet

43 The line plot shows the number of bags of grapes, grouped by weight, to the nearest $\frac{1}{8}$ pound.

WEIGHT OF BAGS OF GRAPES

```
                    X
          X         X
          X    X    X         X
          X    X    X    X    X    X
     X    X    X    X    X    X    X
  <--+----+----+----+----+----+----+----+---->
     0    1/8  1/4  3/8  1/2  5/8  3/4  7/8  1
```

Pounds

How many bags of grapes had a weight of $\frac{3}{8}$ pound or less?

Answer _____ bags

What was the total weight of the grapes in the bags that had a weight of $\frac{3}{8}$ pound or less?

Show your work.

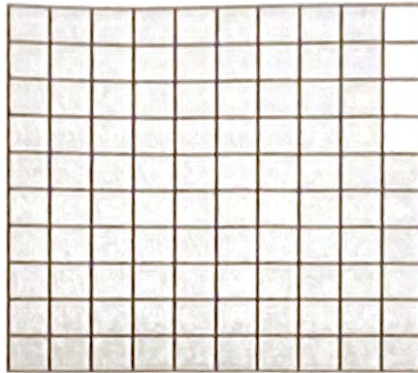*Answer* _____ pound(s)

GO ON

45   Kia purchased books at a book fair. The shaded part of the decimal grid below
represents the part of $1.00 that she has remaining after purchasing her books.

Kia decides to give all of the money she has remaining to her 3 friends so they can
buy some bookmarks which cost $0.10 each. If Kia gives each of her friends the same
amount of money, what is the greatest number of bookmarks that each of her friends
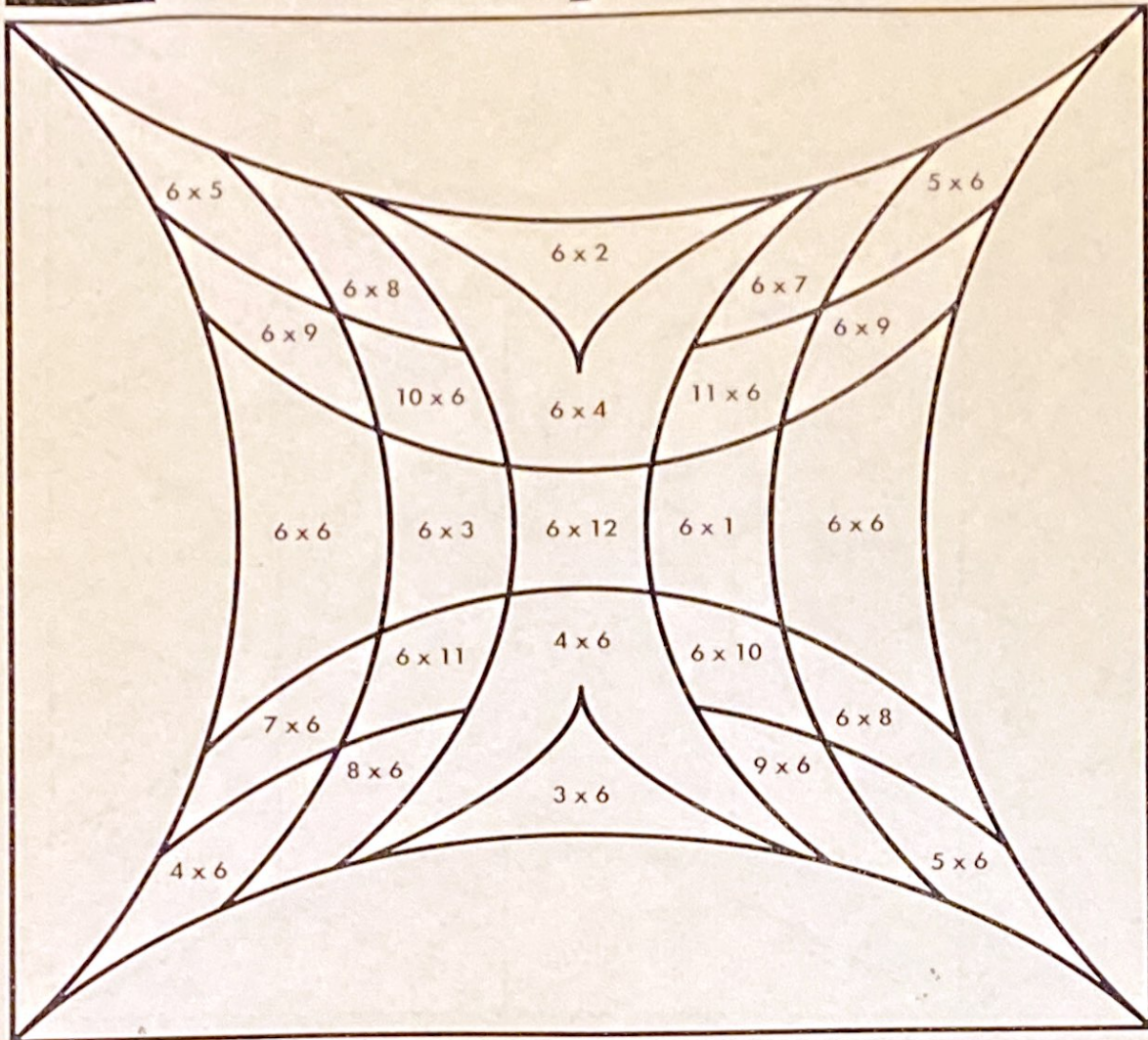can buy?

Show your work.

Answer _____ bookmarks per friend

STOP

Chimney Swallows

6 x 5

5 x 6

6 x 2

6 x 8

6 x 7

6 x 9

6 x 9

10 x 6

6 x 4

11 x 6

6 x 6

6 x 3

6 x 12

6 x 1

6 x 6

6 x 11

4 x 6

6 x 10

7 x 6

6 x 8

8 x 6

9 x 6

3 x 6

4 x 6

5 x 6

Color:
    6, 12, and 18 = blue
    24, 30, and 36 = red
    42, 48, and 54 = yellow
    60, 66, and 72 = black

Swallows like to nest in chimneys.
The shape of their pointed tails is
in this pattern.

C Make flash cards for multiplication facts
    for six. Practice them with a friend.

Baby's Blocks

$2\overline{)464}$

$3\overline{)639}$

$4\overline{)488}$

$40\overline{)186}$

$6\overline{)98}$

$28\overline{)73}$

$3\overline{)172}$

$19\overline{)149}$

$6\overline{)684}$

$4\overline{)928}$

$7\overline{)847}$

$8\overline{)692}$

$37\overline{)542}$

$4\overline{)275}$

$57\overline{)993}$

$9\overline{)781}$

$5\overline{)965}$

$6\overline{)876}$

$4\overline{)184}$

$28\overline{)492}$

$2\overline{)913}$

$18\overline{)448}$

$7\overline{)865}$

$31\overline{)431}$

Color:
  If there is no remainder,
  color the space yellow.
  If the remainder is from 1 to 15,
  color the space blue.
  If the remainder is from 16 to 30,
  color the space green.

This picture resembles building blocks that children play with.

C An airplane has a crew of nine and
  two hundred fifty-five passengers.
  One-fourth of the people will
  deplane in Florida. How many
  people will get off the plane?

Wheel of Fortune

435
× 10
4,550

319
× 10
3,190

493
× 40
12,960

435
× 10
4,350

162
× 80
12,960

716
× 40
28,110

914
× 80
73,260

247
× 10
2,470

296
× 80
22,681

544
× 30
16,320

265
× 10
2,650

326
× 60
19,607

326
× 80
26,080

648
× 10
6,440

482
× 10
4,820

465
× 40
18,650

132
× 10
1,320

493
× 40
20,700

326
× 10
3,440

296
× 80
23,680

326
× 20
6,520

766
× 50
38,400

648
× 40
25,920

326
× 20
6,560

Color:
If the answer is correct,
color the space red.
If the answer is wrong,
color the space white.

This pattern may be named for board
games that use spinners.

C Circle the numbers in the thousands place
and box the numbers in the hundreds place.

Courthouse Square

$3\overline{)666}$ $3\overline{)300}$ $4\overline{)848}$

$3\overline{)936}$ $2\overline{)682}$ $4\overline{)888}$

$4\overline{)488}$ $2\overline{)424}$ $3\overline{)396}$

Color:
  If the answer is even,
  color the space brown.
  If the answer is odd,
  color the space green.

This pattern looks like designs of
bricks or stones you can see on some
streets and in some parks.

C Make a division problem using three
   digits divided by one digit. Make sure
   that there is no remainder.

91