Math Boxes

1. Complete the division facts.

a. 63 ÷ 9 = _____

b. 36 ÷ _____ = 9

c. 48 ÷ _____ = 6

d. 60 ÷ _____ = 6

e. 30 ÷ 6 = _____

f. 81 ÷ 9 = _____

2. A sailfish can swim at a speed of 110 kilometers per hour. A tiger shark can swim at a speed of 53 kilometers per hour. How much faster can a sailfish swim than a tiger shark?

_____ kilometers per hour

3. What is the value of the digit 8 in the numerals below?

a. 584 _____

b. 38,067 _____

c. 49,841 _____

d. 820,731 _____

4. Add.

a. 4 + 5 = _____

b. 40 + 50 = _____

c. 400 + 500 = _____

d. _____ = 5 + 8

e. _____ = 50 + 80

f. _____ = 500 + 800

5. Solve the riddle.

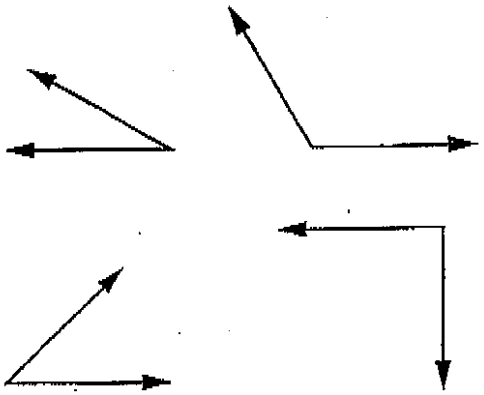
I am a 2-dimensional figure.
I have two pairs of parallel sides.
None of my angles is a right angle.
All my sides are the same length.

What am I? _____

1. A square number is the product of a number multiplied by itself. For example, 9 is a square number since 3 * 3 = 9. Circle the numbers below that are square numbers.

49	15	12
36	25	16

1. Which of the angles below has a measure of about 90 degrees? Circle it.



SRB 78 79

2. Circle the number that is closest to the sum of 1,254, 8,902, and 2,877.

6,000

9,000

12,000

15,000

SRB 155

3. Write <, >, or = to make each number sentence true.

a. 62 million _____ 3,100,000,000

b. 10^3 _____ 10,000

c. 5,800,000 _____ 58 million

d. 100,000 _____ 10^6

SRB 6

4. Complete.

a. 10^4 = _____

b. $10^{\square} = 10 * 10 * 10 * 10 * 10$

c. $100 = 10^{\square}$

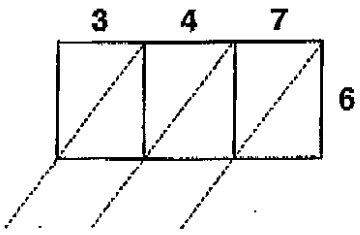
d. 10 to the seventh power =

_____

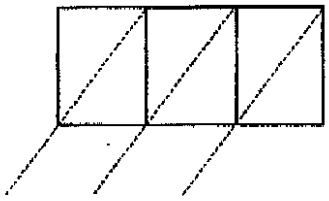
SRB 5

5. Multiply. Use the lattice method.

a. 6 * 347 = _____



b. _____ = 9 * 258



SRB 18

Math Boxes

1. Which of the following is closest to the sum of 458, 1,999, and 12,307?

5,000

10,000

15,000

20,000

SRB 155 156

2. Complete the multiplication and division facts.

a. $6 * \_\_\_\_\_ = 18$

b. $3 * \_\_\_\_\_ = 21$

c. $16 \div 4 = \_\_\_\_\_$

d. $20 \div 5 = \_\_\_\_\_$

e. $54 \div 6 = \_\_\_\_\_$

f. $9 * 4 = \_\_\_\_\_$

SRB 258

3. Solve.

a. $323 - y = 42$ $y = \_\_\_\_\_$

b. $199 = p - 408$ $p = \_\_\_\_\_$

c. $r + 115 = 655$ $r = \_\_\_\_\_$

d. $430 + s = 700$ $s = \_\_\_\_\_$

SRB 128

4. In the numeral 59.378, the 5 stands for 5 tens.

a. The 9 stands for _____.

b. The 3 stands for _____.

c. The 7 stands for _____.

d. The 8 stands for _____.

SRB 28 29

5. Draw and label ray *BY*.

Draw point *A* on it.

SRB 77

6. Make true sentences by inserting parentheses.

a. $5 * 4 - 2 = 18$

b. $25 + 8 * 7 = 81$

c. $1 = 36 / 6 - 5$

d. $24 = 81 / 9 + 15$

SRB 129

Math Boxes

1. Circle the fractions equivalent to $\frac{1}{2}$.

$\frac{8}{16}$ $\frac{5}{6}$ $\frac{6}{12}$ $\frac{2}{3}$ $\frac{12}{24}$ $\frac{8}{15}$

2. Complete.

a. 320 cm = _____ m

b. 5,600 cm = _____ m

c. 412 cm = _____ m _____ cm

d. 12 m = _____ cm

3. Round 5,906,245 to the nearest

a. million. _____

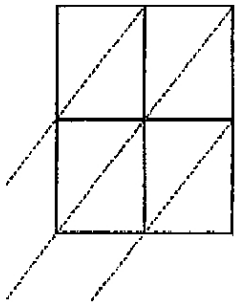
b. ten-thousand. _____

c. thousand. _____

d. hundred. _____

4. Multiply. Use the lattice method.

_____ = 58 * 52



5. Add or subtract.

a. 2.01 + 5.01 = _____

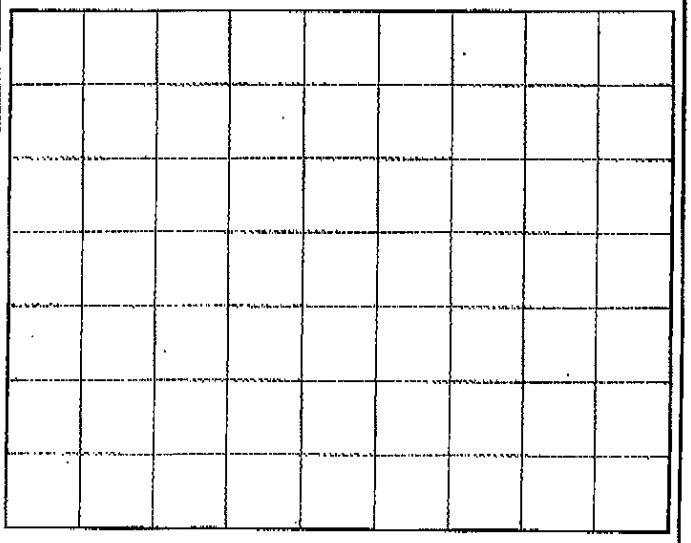
b. 0.37 + 0.26 = _____

c. _____ = 7.80 – 3.65

d. 6.79 – 6.55 = _____

6. Divide.

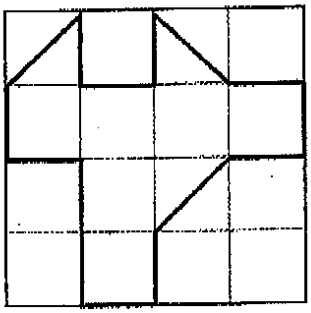
872 ÷ 5 Answer: _____



Math Boxes

1. Find the area of the figure.

□ = 1 square unit



Area = _____ square units

SRB 113

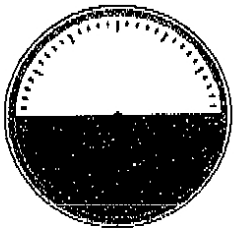
2. Twenty-nine students in Ms. Wright's class each brought to school 50 bottle caps they had collected. How many bottle caps in all did the students bring?

_____ bottle caps

SRB 149 150

3. What fraction of the clock face is shaded?

_____



SRB 54

4. Add 9 tens, 8 hundredths, and 3 tenths to 34.53.

What is the result? _____

SRB 34

5. Mary has 27 pictures. She gives $\frac{1}{3}$ of them to her sister Barb and $\frac{2}{3}$ to her cousin Sara.

a. How many pictures does Barb get?

_____ pictures

b. How many pictures does Sara get?

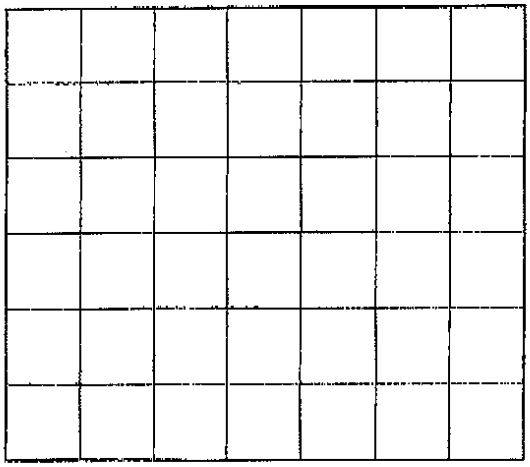
_____ pictures

c. How many pictures does Mary keep for herself? _____ pictures

SRB 57

6. Divide. Write the remainder as a fraction.

962 / 12 = _____



SRB 21 22 153

1. Compare.

a. 1 day is _____ times as long as 2 hours.

b. 6 years is _____ times as long as 4 months.

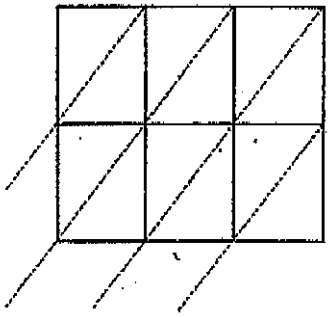
c. 3 gallons is _____ times as much as 8 cups.

d. 8 cm is _____ times as long as 2 mm.

e. 1 meter is _____ times as long as 2 cm.

2. Multiply. Use the lattice method.

_____ = 68 * 124



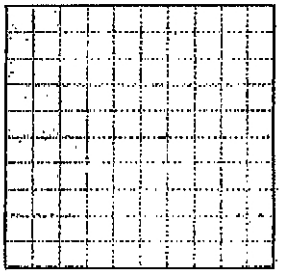
3. Write <, >, or = to make each sentence true.

a. $\frac{5}{6}$ _____ $\frac{1}{6}$ **b.** $\frac{4}{10}$ _____ $\frac{4}{5}$

c. $\frac{1}{7}$ _____ $\frac{1}{100}$ **d.** $\frac{15}{16}$ _____ $\frac{3}{4}$

e. $\frac{7}{14}$ _____ $\frac{25}{50}$

4. Name the shaded area as a fraction and a decimal.



a. fraction: _____

b. decimal: _____

5. Write 5 fractions equivalent to $\frac{14}{16}$.

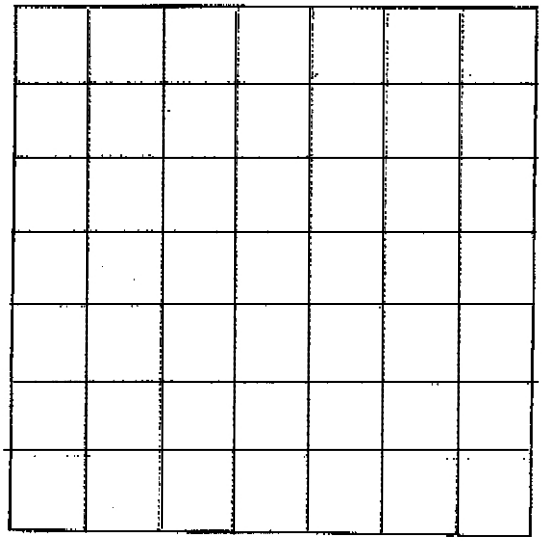
_____ _____

_____ _____

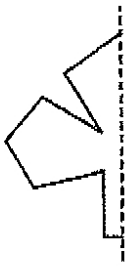
_____

6. Divide. Write the remainder as a fraction.

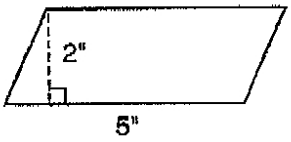
$\frac{723}{14}$ = _____



1. Draw the mirror image of the figure shown on the left of the vertical line.



2. What is the area of the parallelogram?



Area = _____ $in.^2$

3. Complete the table with equivalent names.

Fraction	Decimal	Percent
		63%
	1.00	
$\frac{3}{5}$		
		80%

4. Complete.

a. 3 yd 2 ft = _____ ft

b. 6 yd 1 ft = _____ ft

c. 2 ft 9 in. = _____ in.

d. 25 ft = _____ yd _____ ft

e. _____ ft = 5 yd 2 ft

f. _____ in. = 2 yd

g. _____ ft _____ in. = 30 in.

5. Insert parentheses to make each number sentence true.

a. 3 * 5 + 6 < 3 * 10

b. 34 − 48 / 8 + 4 = 32

c. 6 * 7 + 1 < 80 / 2 + 5

d. 63 / 21 − 12 = 7

6. Calculate.

a. 10% of 50 = _____

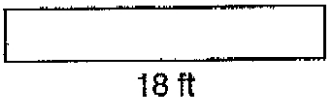
b. 5% of 80 = _____

c. 20% of _____ = 8

d. _____% of 16 = 12

e. _____% of 24 = 6

1. What is the area of the rectangle?



Area = _____ ft^2

2. Jessica took 40 shots in a basketball game. She missed 30% of the shots that she took.

a. What fraction of the shots did she miss? _____

b. How many shots did she miss?

_____ shots

3. The following numbers came up when Tina threw two dice:

4, 5, 9, 6, 12, 12, 2, 5, 6, 12, 3

a. What is the median? _____

b. Mode? _____

c. Maximum? _____

d. Minimum? _____

e. Range? _____

3. Store X is selling bathing suits at 20% off the regular price of $35. Store Y is selling the same suits for $\frac{1}{4}$ off the regular price of $32. Which store is offering the better buy?

_____

5. Multiply.

a. 4.6 * 93 = _____ **b.** 0.42 * 75 = _____ **c.** _____ = 28 * 6.3

Math Boxes

1. Multiply. Use your favorite method.

$83 * 74 =$ _____

2. Add or subtract.

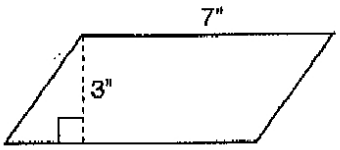
a. $\frac{3}{16} + \frac{7}{16} =$ _____

b. $\frac{1}{16} + \frac{1}{8} =$ _____

c. _____ $= \frac{9}{10} - \frac{3}{10}$

d. _____ $= \frac{3}{4} - \frac{3}{8}$

3. What is the area of the parallelogram?



Area = _____ sq in.

4. A jar contains

8 blue blocks,

4 red blocks,

9 orange blocks, and

4 green blocks.

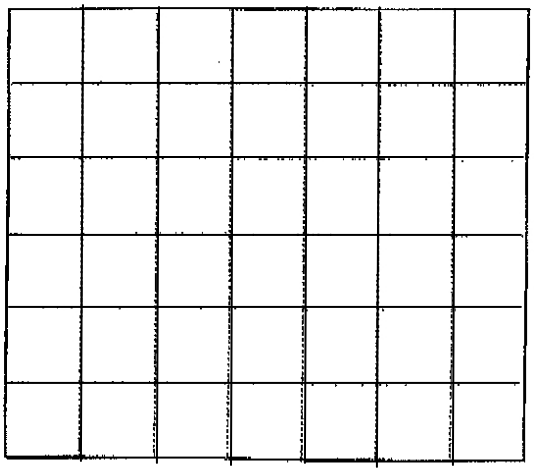
You put your hand in the jar and pull out a block. About what fraction of the time would you expect to get a blue block?

_____

5. Dimensions for actual rectangles are given. Make scale drawings of each rectangle.
Scale: 1 cm represents 20 meters.

a. Length of rectangle: 80 meters
Width of rectangle: 30 meters

b. Length of rectangle: 90 meters
Width of rectangle: 50 meters



Math Boxes

1. If 4 shirts cost $80, what is the cost of

a. 3 shirts? _____

b. 6 shirts? _____

c. a dozen shirts? _____

d. 20 shirts? _____

SRB 149 150

2. Add.

a. $-54 + 28 =$ _____

b. $-62 + (-15) =$ _____

c. $51 + (-39) =$ _____

d. $-23 + 87 =$ _____

e. $71 + (-85) =$ _____

3. Complete.

a. 3 lb = _____ oz

b. 80 oz = _____ lb

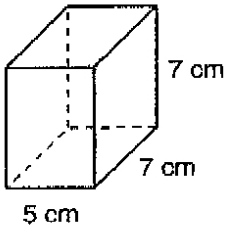
c. 54 oz = _____ lb _____ oz

d. 8 g = _____ mg

e. _____ g = 400 mg

SRB 120

4. Calculate the volume.



Volume = _____ cm^3

SRB 118

5. When you roll a 6-sided die, about what fraction of the time would you expect

a. either a 1 or a 6 to come up?

_____

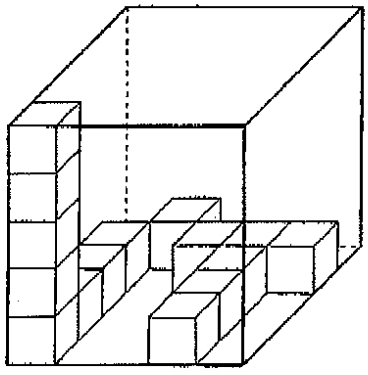
b. an odd number to come up?

_____

SRB 71

6. How many more cubes are needed to completely fill the box?

_____ more cubes



SRB 178