# Math Boxes

**1** Solve.

    **a.**  $5 * 7 = $ _____

    **b.**  $2 * $ _____ $= 12$

    **c.**  _____ $* 7 = 49$

    **d.**  $9 * $ _____ $= 45$

    **e.**  $8 * 4 = $ _____

**2** Draw $\angle MRT$.

$T$

$M \bullet$

$\bullet$
$R$

What is another name for $\angle MRT$?

_____

SRB
228

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

    **a.**  $46,609$ _____ $45,699$

    **b.**  $67,749$ _____ $66,749$

    **c.**  2 thousand _____ $2,000$

    **d.**  $108,755$ _____ 1 million

    **e.**  $1,000,000$ _____ $858,192$

SRB
81

**4** Use U.S. traditional subtraction.

    **a.**  $\begin{array}{r} 1,2\ 4\ 7 \\ -\ \ \ 1\ 5\ 6 \\ \hline \end{array}$    **b.**  $\begin{array}{r} 3,5\ 3\ 1 \\ -\ 2,2\ 4\ 6 \\ \hline \end{array}$
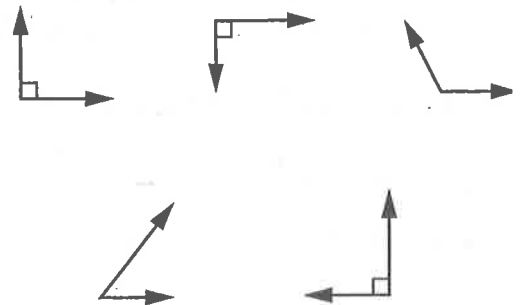
SRB
100-101

**5** Keanu has 10 feet of model train track. His sister has 14 feet, and his brother has 6 feet. How many inches of track do they have all together?

Answer: _____ inches

SRB
186-187

**6** Circle the right angles.

SRB
229

# Math Boxes

**1**  **a.** The dresser is 3 feet tall. What is the height in inches?

_____ inches

**b.** The sidewalk is 15 yards long. What is the length in feet?

_____ feet

SRB
186-187

**2** Regulation football fields are rectangles that measure 360 feet long and 160 feet wide. If Jamie walks the perimeter of the football field, about how far will she go?

Number model:

_____

_____

Answer: _____ feet

SRB
92-93,
200-201

**3** Fill in the missing digits.

```
   5,   3   8  [ ]
+  2,  [ ]  7   7
_____
   7,   8   6   3
```

SRB
92-93

**4** Draw lines to match each word to the correct pair or pairs of line segments.

perpendicular

parallel

intersecting

SRB
230-231

**5** **Writing/Reasoning** How did you find the missing digits in Problem 3?

_____

_____

_____

_____

_____

SRB
92-93

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Math Boxes

**1** Multiply mentally.

a. $5 * 8 =$ _____

b. $2 * $ _____ $= 16$

c. _____ $* 7 = 21$

d. $9 * $ _____ $= 81$

e. $8 * 3 =$ _____

**2** Draw $\angle TIF$. What is the vertex of $\angle TIF$?

Point _____

F
•

• T

I •

SRB
228
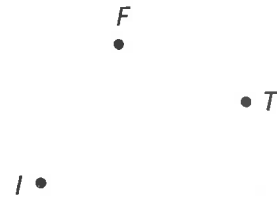
**3** Which number sentence is NOT true? Choose the best answer.

(A) $5,389 > 3,389$

(B) $70,642 < 70,699$

(C) 1 million $= 1,000,000$

(D) $800,032 = 8$ hundred 32 thousand

(E) $400 + 30 + 5 < 4,000 + 30 + 5$

SRB
81

**4** Subtract using U.S. traditional subtraction.

a.  $2,231$
   $- 1,084$

b.  $5,603$
   $- 3,466$

SRB
100-101

**5** Chloe is replacing 3 different sections of the fence in her backyard. She needs fencing in lengths of 13 yards, 17 yards, and 20 yards. How much fencing does she need in feet?

Answer: _____ feet

SRB
186-187

**6** Use a straightedge to draw a right angle.

SRB
229

# Math Boxes

**1**   Convert the following measures.

   **a.** 18 yards = _____ feet

   **b.** 10 feet = _____ inches

   **c.** 25 yards = _____ feet

   **d.** 5 yards 2 feet = _____ feet

SRB
186-187

**2**   Ari's backyard contains about an acre of lawn shaped in a rectangle. The rectangle measures 660 feet long by 66 feet wide. If Ari measures the distance around the edge, about how many feet is it?

Number model:

_____

_____

Answer: _____ feet

SRB
92-93,
200-201

**3**   Fill in the missing digits.

$$
\begin{array}{r}
3,\;5\;9\;\boxed{\phantom{0}} \\
+\;7,\;\boxed{\phantom{0}}\;0\;5 \\
\hline
11,\;1\;0\;1
\end{array}
$$

SRB
92-93

**4**   **a.** Draw a pair of parallel line segments.

   **b.** Draw a pair of perpendicular line segments.

SRB
230-231

**5**   **Writing/Reasoning** Justin's incorrect answer to Problem 2 was 726 feet. Explain what he might have done to get that answer.

_____

_____

_____

SRB
92-93,
200-201

# Math Boxes

**1** Complete.

a. Name all the factors of 12.

_____ , _____ , _____ ,

_____ , _____ , _____

b. Name the factor pairs of 15.

_____ and _____

_____ and _____

SRB
53

**2** To find the area of a rectangle, use the formula:

$A = l * w$

What is the area of a rectangle with a width of 6 inches and a length of 12 inches?

Equation: _____

Area: _____ square inches

SRB
204

**3** Round 849,897 to the nearest thousand. Fill in the circle next to the correct answer.

(A) 840,000

(B) 900,000

(C) 850,000

(D) 800,000

SRB
85-87

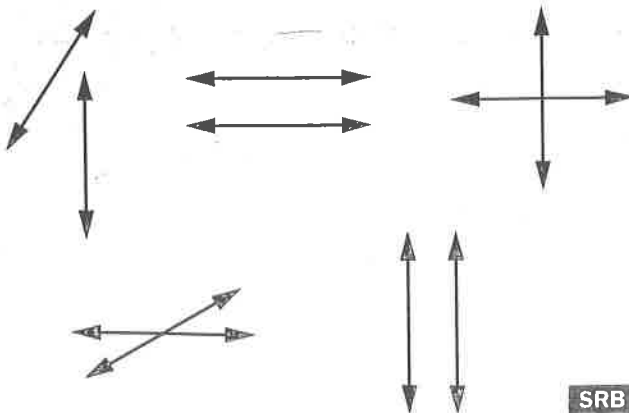**4** a. Name 3 multiples of 7.

_____

b. Name 3 multiples of 6.

_____

c. Name 3 multiples of 8.

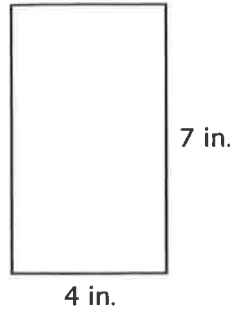_____

SRB
55

**5** Circle the parallel lines.



SRB
230

**6** Mimi lives down the street from her friends Lisa and Ellen. It is 24 yards from Mimi's house to Lisa's house and 37 more yards from Lisa's house to Ellen's house. How far is it from Mimi's house to Ellen's house in feet?

Answer: _____ feet

SRB
186-187

Math Boxes

**1** Find the area and perimeter of the rectangle.

7 in.

4 in.

Area = _____ square inches

Perimeter = _____ inches

SRB
200,
204

**2** Circle the sets of lines that appear to be perpendicular to each other.

SRB
230

**3** Dan has two dogs, Jango and Riley, and a cat, Kisa. Every year, Jango eats 1,793 dog treats, Riley eats 2,094 treats, and Kisa eats 1,014 cat treats.

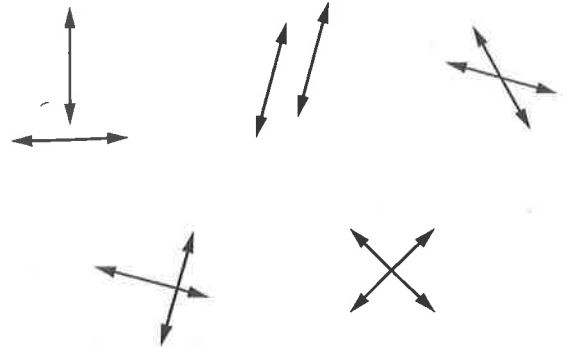Estimate how many more treats both dogs eat than the cat.

Estimate:

_____

SRB
82-84

**4** **a.** Name 8 prime numbers under 20.

_____

**b.** Name 10 composite numbers under 20.

_____

_____

SRB
54

**5** **Writing/Reasoning** How do you know the numbers in Problem 4a are prime?

SRB
54