

# MONDAY

## Patterning and Algebra

- 1** Express the following problem algebraically.

12 less than twice a number is 0

- 2** Simplify the expression.

$$12(8b - 5)$$

- 3** Which property of multiplication is shown?

$$2 \times 8 = 8 \times 2$$

- A. associative
- B. commutative
- C. distributive

- 4** Extend the pattern.

10, 19, 37, 73, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

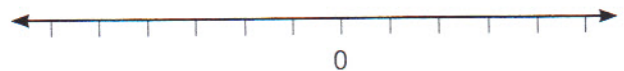
# TUESDAY

## Number Systems and Operations

- 1** Compare using  $<$ ,  $>$ , or  $=$ .

$$0.7 \square 0.53$$

- 2** Is  $-4$  less than or greater than  $-6$ ?  
Explain your answer using a number line.



- 3** Write three tenths as a decimal.

- 4** What is the opposite of  $3\frac{1}{3}$ ?

**5**

$$\begin{array}{r} 34.55 \\ \times \quad 8 \\ \hline \end{array}$$

# WEDNESDAY

## Geometry

**1** Draw a straight angle.

**2** What is the measure of the third angle if a triangle has angles of  $60^\circ$  and  $90^\circ$ ?

**3** What is the area of a triangle with base 15 m and height 10 m?

**4** Draw a net for a rectangular prism. Cut your net out and fold it. Does it make a rectangular prism?

# THURSDAY

## Ratios and Measurement

**1**  $1.2 \text{ km} = \underline{\hspace{2cm}} \text{ dm}$

**2** For every vote Bryan got for class representative, Will got three votes. Give possible voting results using two different ratios. Explain your answer.

**3** Multiply, then give the answer in yards only.

$$8 \text{ yards } 3 \text{ feet} \times 3$$

$$= \underline{\hspace{1cm}} \text{ yards } \underline{\hspace{1cm}} \text{ feet}$$

$$= \underline{\hspace{1cm}} \text{ yards}$$

**4** If 72 chicken dinners cost \$695, how much does one chicken dinner cost? Round your answer to the nearest penny.



The stem-and-leaf plot shows the temperature ( $^{\circ}\text{F}$ ) over two weeks in two different cities.

- 1** List the temperatures from lowest to highest, then find the range and the median.

City A

Stem	Leaves
3	1 1 1 4 6
4	0 2 5
5	1 3 3 4 7 9

\_\_\_\_\_

\_\_\_\_\_

range = \_\_\_\_\_ median = \_\_\_\_\_

City B

Stem	Leaves
3	1 2
4	0 1 1 1 3 4 7 8 9 9
5	2 9

\_\_\_\_\_

\_\_\_\_\_

range = \_\_\_\_\_ median = \_\_\_\_\_

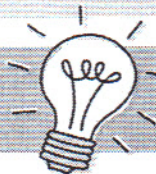
- 2** How is the distribution of temperatures in the two cities the same? How is it different?

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## BRAIN STRETCH



Find at least three examples of data management in your everyday life.