

MONDAY

Patterning and Algebra

- 1 Evaluate the expression.

$$6^4 - 2(2^3 - 14)$$

- 2 Write and evaluate the two expressions represented by 42 ± 6 .

- 3 Complete the function table.
Rule: $b = n + 22$

Input (n)	Output (b)
	101
	6
57	
	89
62	

- 4 Simplify the expression.

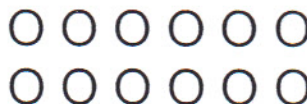
$$7(3b - 15)$$

TUESDAY

Number Systems and Operations

- 1 What is $\frac{1}{4}$ of 18?

- 2 Circle $\frac{1}{3}$ of the group.



- 3 Tell if 144 is divisible by 3, 4, 5, 6, or 7.

- 5 Over four days, the daily change in the price of a stock was as follows: -3 , $+5$, -2 , -6 . What was the overall change in the price of the stock?

- 4 What is the least common multiple of 2 and 11?

WEDNESDAY

Geometry

1 How many lines of symmetry?

U

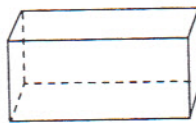
3 If a triangle has two angles that measure 40° , what kind of triangle is it?

2 What is an angle of 45° called?

A. obtuse B. right C. acute

4 Name this 3D shape. _____

How many edges, faces, and vertices does it have?



Edges _____

Faces _____

Vertices _____

THURSDAY

Ratios and Measurement

1 $5 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
Make a table to show your thinking.

2 Divide:

$14 \text{ gallons } 2 \text{ quarts} \div 2$

$= \underline{\hspace{2cm}} \text{ gallons } \underline{\hspace{2cm}} \text{ quart}$

3 Find the unit rate.

72 books on 8 shelves

$= \underline{\hspace{2cm}} \text{ books per shelf}$

4 Mr. Davis has 20 students and 80 slices of pizza. He gives each student the same amount of pizza. Write the ratio. Simplify. How many slices does each student get?

This stem-and-leaf plot show the heights of the players on a college basketball team.

- 1** Put the leaves in the correct order.

Heights of Players (cm)

Stem	Leaves
16	2 6 9 1 0
17	0 1 4 1 1
18	6 7 0 1 3 4 9
19	5 7 4



Heights of Players (cm)

Stem	Leaves
16	
17	
18	
19	

- 2** What is the difference in height between the tallest player and the shortest player?

- 3** Find the median and the mode of the data. What does each one tell you about the players on the team?

mode = _____

median = _____

BRAIN STRETCH



Use a protractor and a ruler to construct a quadrilateral with one acute angle, one side that measures 5 cm, and one side that measures 6 cm. Be sure to measure and label all angles.