

MONDAY

Patterning and Algebra

- 1** Simplify the expression.

$$9n - 3n + 5$$

- 2** What will be the 8th term in this pattern?

400, 385, 370, 355, 340

- 3** Write and evaluate the two expressions represented by 7 ± 3 .

- 4** Number the operations according to the order of operations:

___ multiplication and division

___ brackets and exponents

___ addition and subtraction

TUESDAY

Number Systems and Operations

- 1** Find the prime factorization of 48.

- 2** What is the value of the underlined digit?

9,345,252

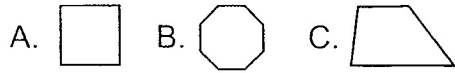
- 3** Write 17.5% as a decimal.

- 4** Miguel finds a scrapbook that can hold 200 stamps. If Miguel has 2,000 stamps in all, how many scrapbooks will he need to buy for his stamps?

WEDNESDAY

Geometry

1 Which polygon does not have a line of symmetry?

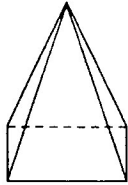


2 What type of angle is this?



3 Name this 3D shape. _____

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



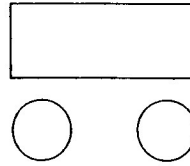
Edges _____

Faces _____

Vertices _____

4 Which 3D shape can you make using these shapes?

A. cube B. sphere C. cylinder



THURSDAY

Ratios and Measurement

1 6 gallons = _____ quarts
Fill in the table to help you.

Quarts	4					
Gallons	1					

2 Is the following a ratio or a rate? Explain how you know. Mix 2 cups of red paint for every 3 cups of yellow paint.

3 Find the unit rate.

18 houses on 3 streets

= _____ houses per street

4 If 3 pairs of socks cost \$12, how much do 5 pairs of socks cost? Fill in the table.

Pairs	Cost
1	
2	
3	12
4	
5	

1 Complete the chart.

	Set of Data	Mean	Median	Mode
a)	29, 29, 20, 4, 28			
b)	13, 12, 6, 7, 7			
c)	14, 17, 8, 14, 2			
d)	7, 17, 17, 12, 17			
e)	14, 18, 17, 18, 18			

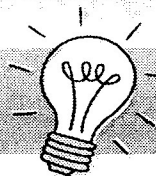


2 Complete the chart. Round answers to one decimal place where necessary.

	Set of Data	Range	Mean	Median	Mode(s)
a)	20, 11, 20, 11, 18				
b)	3, 17, 6, 17, 19, 16				
c)	23, 21, 21, 20, 20, 20				
d)	3, 2, 5, 5, 5				

3 Choose any set of data from the charts above. What might the numbers represent?

BRAIN STRETCH



On a math test, Sam answered $\frac{2}{3}$ of the questions correctly. Carlos answered $\frac{12}{15}$ of the questions correctly and Mary answered 83% of the questions correctly. Who answered the fewest number of questions correctly?