MONDAY Patterning and Algebra

1. Extend the pattern:

   100, 99, 97, 94, _90_, _85_, _79_
   -1 -2 -3 -4 -5 -6

2. What is the next shape in the pattern?

   ⇒ ⇐ ⇒ ⇐ **→**
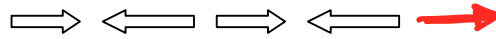
3. Are the products equal?

   3 x 8 = 4 x 6   yes
   24   24

4. What is the pattern rule?

   99, 93, 87, 81, 75

   −6

5. 55 x _2_ = 110

TUESDAY Number Sense

1. Susan bought three skirts for $9.99 each. How much was the total bill?

   2 2
   9.99
   x   3
   $29.97

2. Add:

   ' '
    2778
   +4619
   7397

3. Subtract:

   7 6 3
   81 730
   - 14 458
   67272

4. Chris gave 630 hockey cards to his friends. He gave the same number of cards to each of his 10 friends. How many cards did each friend get?

   630 ÷ 10 = 63 cards each

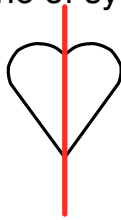5. What is the difference between 8.4 and 2.6?
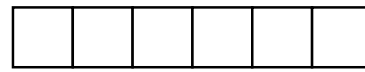
   7
   8.4
   −2.6
   5.8

WEDNESDAY — Geometry and Spatial Sense

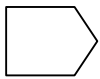1. Show a line of symmetry on this shape:

2. Can a cube be made from this net?

   No

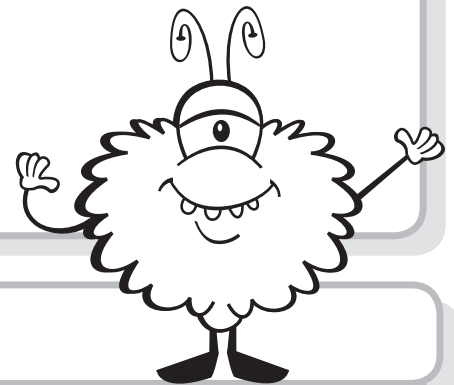3. Are these shapes similar or congruent?

   congruent

4. How many right angles can a triangle have?

   1

5. Look at the shapes. Choose flip, slide, or turn.

THURSDAY — Measurement

1. Kristine's family is going on a vacation for 3 weeks. How many days is that?
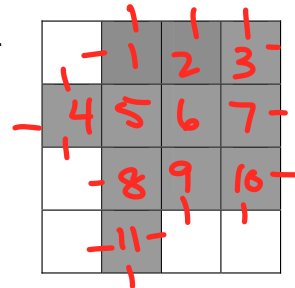
   1 week = 7 days
   $3 \times 7 = 21$ days

2. Find the perimeter of a pentagon whose sides are 2.2 m long.

   $\begin{array}{r} 2.2 \\ \times\ 5 \\ \hline 11.0 \end{array}$ 11m²

3. What measuring tool would you use to find the width of a car?

   measuring tape
   meter stick

4.
1	2	3
4	5	6	7
8	9	10
11

   Perimeter = ___16___ units

   Area = ___11___ square units

5. 30 km = __30,000__ m

   1 km = 1000 m
   $30 \times 1000 = 30,000$

Data Management

Mrs. Carter's class regularly exercises to stay fit. They counted how many push ups they can do in a minute. Here are their results:

11	5	16	28	20	11
8	8	15	11	9	15
20	24	21	11	19	12

1. What is the range of the data collected?

   $28 - 5 = 23$

2. What is the mode?

   11

3. How many students were surveyed?

   18

4. What is the greatest number of push ups done in one minute?

   28

5. What is the least number of push ups done in a minute?

   5

BRAIN STRETCH

Michael bought 4 boxes of holiday cards. Each box has 18 cards.

1. How many cards were there altogether?

   $4 \times 18 = 72$ cards

2. If he paid $24.96, how much was each box?

   $6.24/box

   $$4 \overline{)24.96}$$
   -8
   16