MONDAY — Patterning and Algebra

1. What kind of pattern is this?

   200, 170, 140, 110, 80

   Shrinking

2. Complete the following:

   91, 85, 79, 73, **67**, **61**, **55**

   −6

3. 8 x a = 88

   a = **11**

4. Write the first three numbers for this pattern rule:

   start at 3, multiply by 5

   3, 15, 75, 375

5. What is the rule for the following pattern:

   50, 150, 250, 350, 450

   +100

TUESDAY — Number Sense

1. Write 70 878 in expanded form.

   70,000 + 800 + 70 + 8

2. Add: $130.44 + $34.50

   ```
     136.44
   +  34.50
   $ 164.94
   ```

3. 2 cm of snow fell on average everyday for 4 weeks. How many mm fell after the 4 weeks?

   1 wk = 7 days
   4 weeks = 28 days
   2 × 28 = 56 cm
   1 cm = 10 mm
   56 × 10 = 560 mm

4. What is the fractional part of the following number?

   ¼ of 24 **÷ 4 = 6**

5. Michael bought a computer game for $45.62. He paid the cashier $60.00. What was his change?

   ```
     60.00
   − 45.62
   $ 14.38
   ```
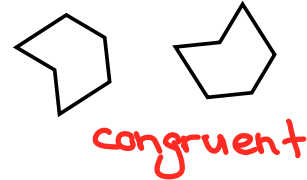
WEDNESDAY Geometry

1. Name two shapes with parallel lines.

   square
   rectangle

2. Are these figures congruent or similar?

   congruent

3. Draw a hexagon.

   6 sides

4. How many lines of symmetry does this letter have?

   P *none*

5. Draw a 180 degree angle.

THURSDAY Measurement

1. What temperature is it most likely to be if you are swimming in a lake during the summer?

   A. 10 °
   B. 30°
   C. 0°

2. What unit of measurement would you use to find the mass of a fly?

   A. kg   B. mg   C. g

3. 1100m=__1.1__km

   1000m = 1 km
   1100 ÷ 1000 = 1.1

4. A round table has a diameter of 1.5 m. Which is the best estimate of the table's circumference?

   A. 4.7 m   B. 8 m   C. 3.5 m

   circumference = π × diameter
   (3.14)

5. The time is 11: 15 p.m. What time will it be in 1 hour and 10 minutes?

   11:15 + 1 hr = 12:15 + 10m = 12:25

   $$3.14$$
   $$\times \quad 1.5$$
   $$1570$$
   $$+3140$$
   $$4.710$$

Data Management

The mayor of Moose Town holds a fishing derby each summer. The biggest catch was awarded the golden catfish trophy and a new rowboat. Here are the results of this year's derby.

Johnny 2 kg	Robin 3.1 kg	Leslie 2.8 kg	Morgan 3.5 kg	Melanie 3.2 kg	Lauren 2.9 kg	Tracy 1.2 kg

1. Put the masses in order from largest to smallest.

   3.5, 3.2, 3 1, 2.9, 2.8, 2, 1.2

2. Who won the derby? Morgan

3. What is the range of the masses of fish? 3.5 - 1.2 = 2.3kg

4. What is the mean mass of the fish? 2.67

5. What is the median mass of the fish? 2.9

BRAIN STRETCH

Suzy can pedal 0.4 km in a minute.

a) How many km can she pedal in 10 minutes?

   .4 × 10 = 4 km

b) How many km can she pedal in 100 minutes?

   .4 × 100 = 40 km

c) How long will it take her to go 10 km?

   100 ÷ 4 = 25 mins

d) How long will it take her to go 100km?

   25 × 10 = 250 mins