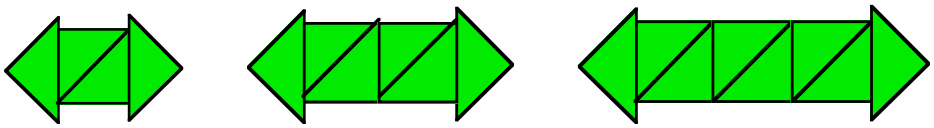
TASK A:

Manipulatives or Tools Available: pattern blocks

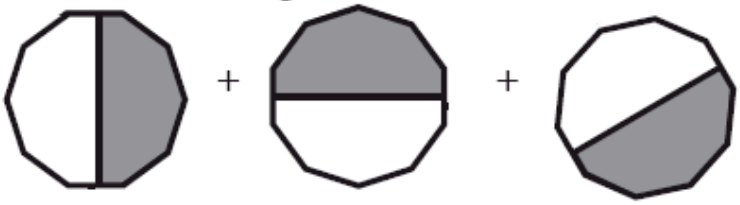


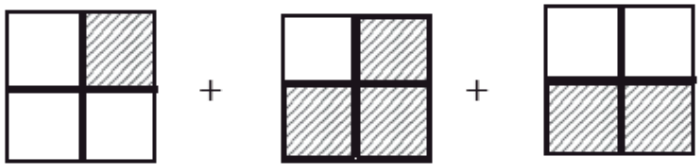
1 day 2 days 3 days

Find the number of triangles that will be in the 4th day, the 5th day, and then determine the rule for any number of days.

TASK B: *(From NCDPI Math Indicators, Grade 4)*

B. Find the sum or differences of the shaded regions for the following:

a.  = ?

b.  = ?

c.  = ?

TASK C:

Lexi has $40.00 to spend at the mall. She wants to buy three shirts at $6.99 each and five pairs of socks at $2.39 each. *Approximately* how much will Lexi have left to buy lunch?

TASK D:

D. Which is greater? How do you know?

12 hundreds	or	15 tens
20 tens	or	3 hundreds
12 ones	or	3 tens
6 thousands	or	35 hundreds
70 ones	or	1 hundred

Show your work in pictures, words, or numbers.

TASK E:

Manipulatives or Tools Available: blocks

One day in the ocean 18 fish were swimming along. Three more fish joined them. As the fish were swimming, along came a hungry shark. The shark caught six fish and ate them. How many fish are in the ocean now?

TASK F:

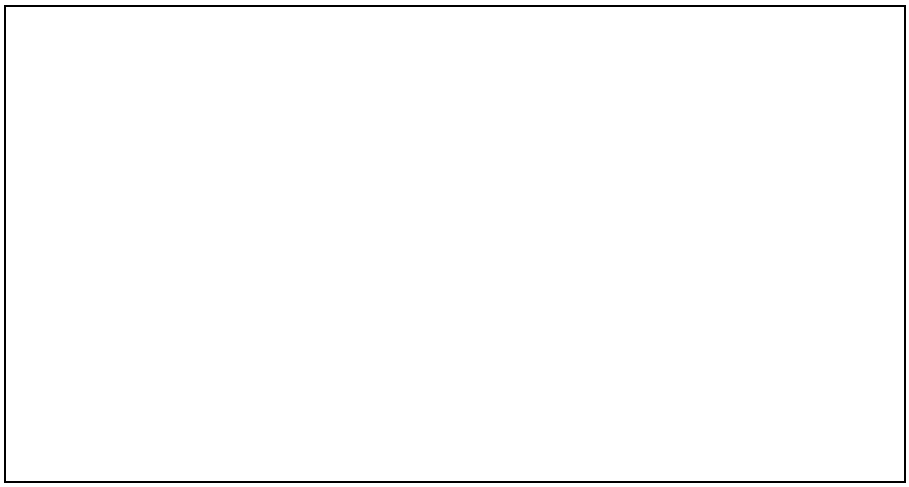
Manipulatives or Tools Available: ruler and objects to measure

Estimate the length of 5 objects at your table. Then use a ruler to measure to the nearest centimeter.

TASK G:

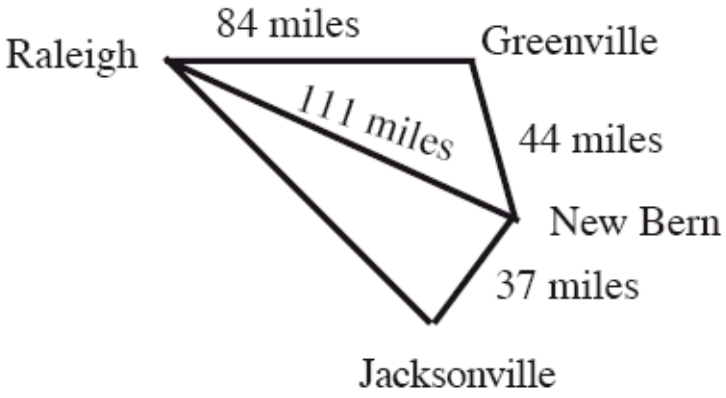
Manipulatives or Tools Available: none

Have students determine the median, range, and mode for the following data set using the bar graph.



TASK H:

Bobby drives from Raleigh to Jacksonville and then to New Bern. He travels a total of 141 miles. Find the distance from Raleigh to Jacksonville using the map below, explain your work using pictures, words, or numbers.



TASK I:

Manipulatives or Tools Available: Concentration Game Cards

Divide students into groups of four. Pass out sets of angle concentration cards. Students shuffle the cards and turn them face down. Teams take turns finding matches of a picture of an angle and the label (in words) of that angle. Team with most matches at end of game is the winner.

TASK J:

Manipulatives or Tools Available: square tiles

Use the square tiles to show what 7 x 3 would look like.

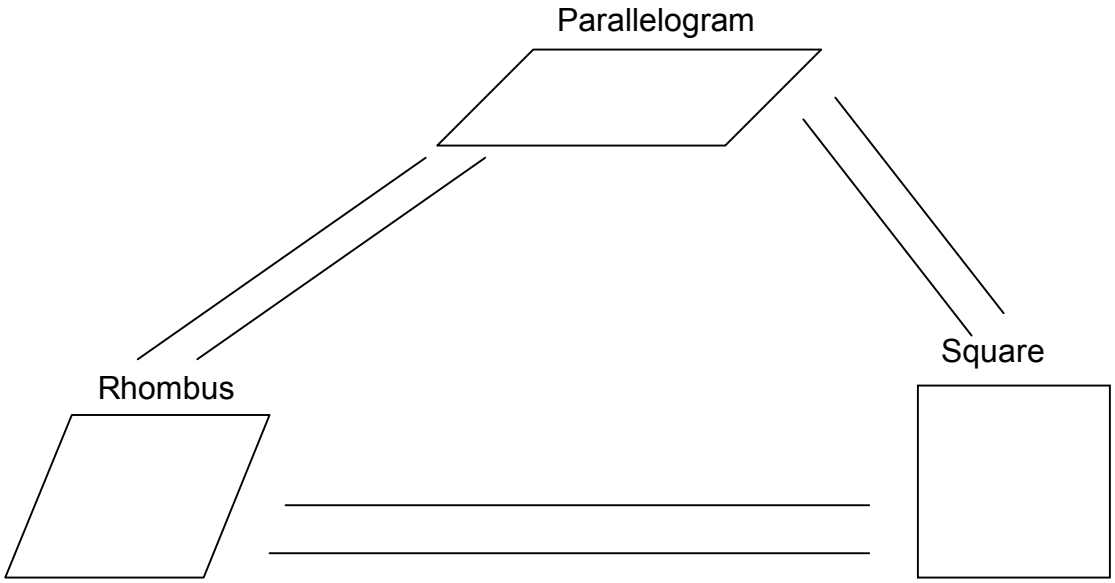
TASK K:

Manipulatives or Tools Available: objects, scales, weights

Measure the weight of five objects in grams/kg and ounces/lbs. Write three comparison statements of what you noticed about the weight differences between the two systems. Which is larger a pound or a kilogram?

TASK L:

Manipulatives or Tools Available: none



Describe two ways the shapes are mathematically alike and two ways they are mathematically different.

TASK M:

Manipulatives or Tools Available: none

At the end of the fourth day of their fund-raising campaign, the teachers at our school had raised $270 of the $360 they needed to reach their goal. Three teachers got into a debate about how to report their progress.

- Ms. Mendoza wanted to announce they were three fourths of the way to their goal
- Mr. Park said six eighths was a better description
- Ms. Christos suggested two-thirds.

Which teacher do you agree with? Why?
How could the teacher you agreed with prove his or her case?

$270 **GOAL $360**

TASK N:

$$1 \times 8 + 1 = 9$$
$$12 \times 8 + 2 = 98$$
$$123 \times 8 + 3 = 987$$
$$1234 \times 8 + 4 = 9876$$

Predict the answer for $123{,}456 \times 8 + 6$. Explain.

TASK O:

Choose the sum that is the greatest.
Which sums are greater than one? less than one?

1. $\frac{2}{6} + \frac{4}{6}$ $\frac{5}{8} + \frac{6}{8}$ $\frac{2}{3} + \frac{4}{3}$
2. $\frac{3}{5} + \frac{2}{5}$ $\frac{5}{8} + \frac{2}{8}$ $\frac{3}{4} + \frac{2}{4}$

TASK P:

Laura and Betty ran a race. Laura ran faster than Betty. It took Laura 14.053 seconds to complete the race. The difference between the two girls' times was eight-thousandths of a second. How long did it take Betty to complete the race?

A 14.133 seconds

B 14.061 seconds

C 14.053 seconds

D 14.045 seconds