

Cohen Middle School
100 Robinwood Avenue
Elmira Heights, NY 14903
734-5078

Name: _____ Date: October 8, 2019

Math:

Multiplying dec.
notes hmwk : wksht

Social Studies:

- Finish fast Facts and GO over
- Notes on Section I "Geography of Fertile Crescent"

HW: Corrections due Friday

ELA:

Warm Up
Read Declaration of the Rights of the Child

Science

① Handin Variables (Pendulum NB)
- Pg 16 claim/evidence, rubric, planning page

② - New "VARIABLES + Design NB pgs 1-5

Computer Apps/ Technology

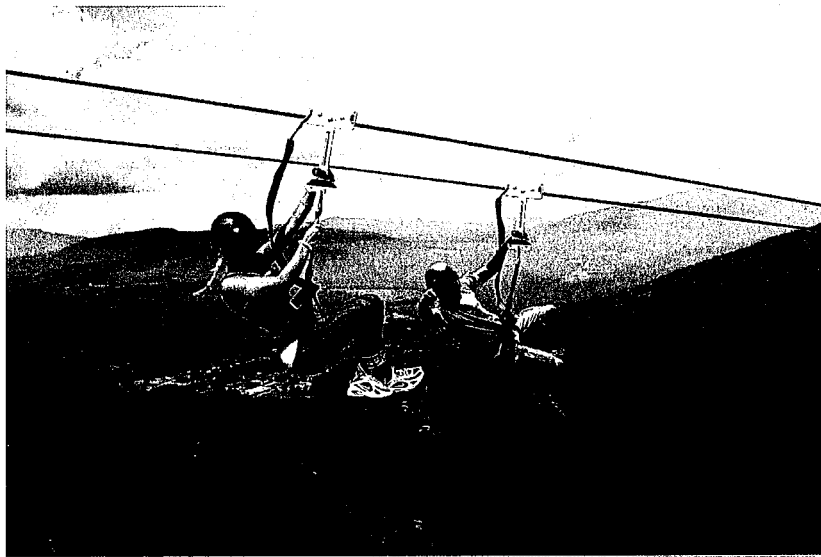
③ NO HW unless owed

6

STEM NOTEBOOK

Variables and Design

Investigation #1: Testing Variables



Big Question: How can we design a controlled experiment using an air Trolley system?

Name: FIRST AND LAST

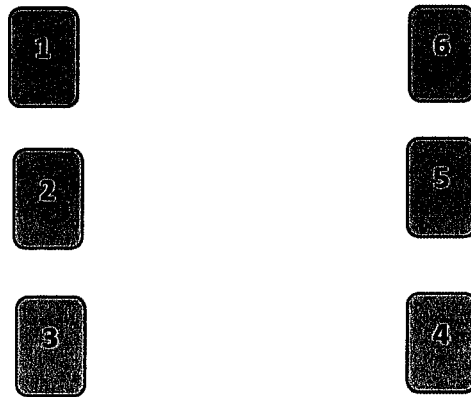
Date: 10/8/19 - Period:

Team # _____ Role/Job: _____ 10/8/19

Review Team Jobs/Roles as shown on the orange table cards.

	Team Leader/facilitator	Agenda Checker
	Recorder	Paper passer
	Reporter	Notebook Getter
	Materials Manager	Time Keeper

Classroom Team # Diagram:

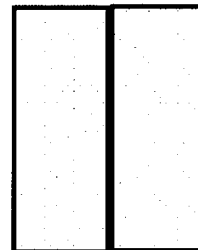


Team Role & Job Diagram for your table(s)

Team Leader	Material
Agenda check	Timer

Reporter	Recorder
NB getter	Paper Passer

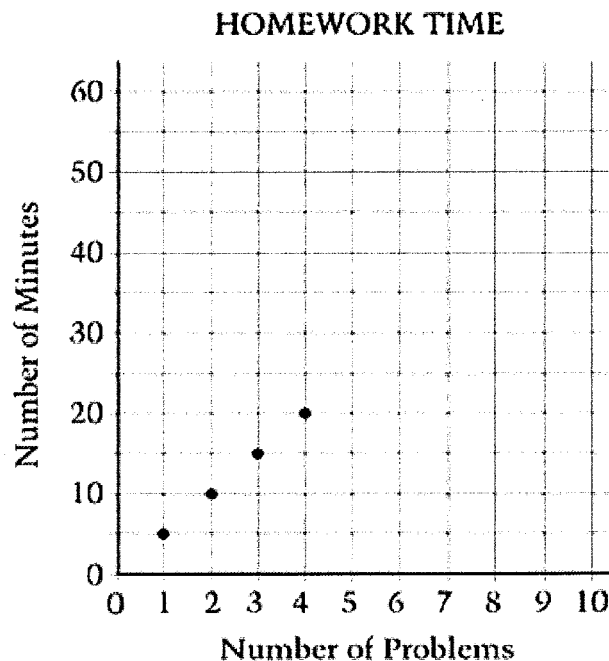
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1. Students sometimes set alarms to wake up on time to get ready for school in the morning. Play: "That's Me" who wakes you up in the morning?

List all the **variables** (things that can change) that could affect what time a student should set on an alarm so that I will be on time to school. Example: length of the ride to school.

2. The graph below shows the total number of minutes it took Selena to do math problems.



How many minutes did it take her to do 3 problems? _____ minutes

How many problems will she do in 40 minutes? _____ problems

Possible Engineering Problems

One of the main jobs of an engineer is to solve everyday problems in order to make our lives easier or better. Over the next few weeks, every time you spot a problem that could be solved by engineering, write it down on this page. You will be using this page in a future investigation to select an engineering problem that *you* would like to solve. (include your "Duct Tape" idea from Myth Busters Jr.)

10/8/19 (record two)

✓

✓

✓

✓

Focus Question: How can we describe and measure motion in a system?

Air-Trolley Construction

Materials

- 1 Jumbo straw
- 1 Superjumbo straw
- 1 Index card
- 1 Propeller
- 1 Hook
- 1 Rubber band
- 1 Meter tape
- 1 Scissors
- Transparent tape
- Transparent packing tape, 2" wide

Directions

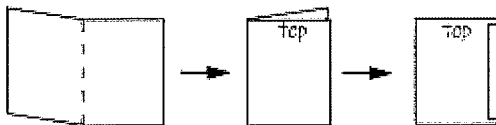
1. Cut the superjumbo straw (larger diameter) at 11 cm.

Superjumbo — 11 cm

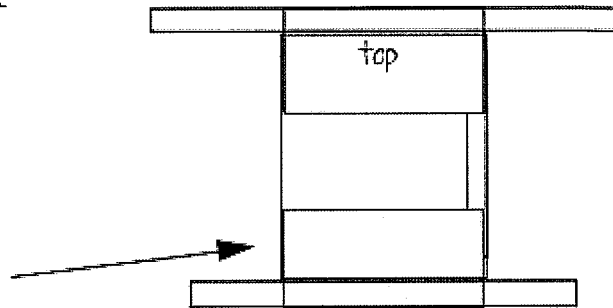
Cut the jumbo straw at 15 cm.

Jumbo — 15 cm

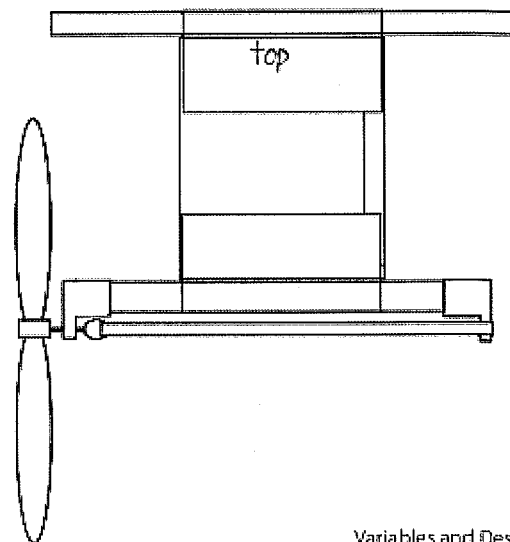
2. Fold the index card in half. Label the top to remind you which way it goes. Tape the edge as shown.



3. Use the wider packing tape for this assembly. Center everything before taping. Tape the two straw pieces to the short edges of the folded card.



4. Attach a propeller to one end of the superjumbo straw and a hook to the other end. Connect the propeller and hook with the rubber band.





Name _____

Class Period _____

FIRST READ GUIDE-Public Document

Selection Title Declaration of the Rights of the Child

Notice:

What are the main ideas?

What are the rights protected?

Annotate:

Unfamiliar words:

Paragraphs to revisit:

Connect:

Background knowledge:

Personal experiences:

Things you have read:

1. Which children are entitled to the rights this document sets forth?

2. Identify two rights defined or described in this document.

3. According to the document, what should children who are physically or mentally disabled be given?

25

MULTIPLYING DECIMALS

Decimals can be Multiplied, but they follow different rules than adding and subtracting.

Practice multiplying the following whole numbers.

$$\begin{array}{r} 125 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 208 \\ \times 14 \\ \hline 832 \\ + 2080 \\ \hline 2912 \end{array}$$

$$\begin{array}{r} 208 \cdot 4 = 832 \\ 208 \cdot 10 = 2080 \\ \hline 2912 \end{array}$$

$$\begin{array}{r} 4631 \\ \times 29 \\ \hline \end{array}$$

Describe the process you took to multiply the numbers above.

Line up the digits NOT place value

MULTIPLYING DECIMALS

1. Multiply the digits as usual, ignoring the decimal point.
2. The product will have the same number of digits behind the decimal as the multiplicand and multiplier combined.

(Factors)

Determine how many digits will be behind the decimal in the solution. Do not solve.

1. $46.\underline{7} \cdot 16$ 1	2. $1.\underline{58} \cdot 0.\underline{23}$ 4	3. $0.\underline{15} \cdot 22$ 2	4. $0.\underline{9} \cdot 8.\underline{55}$ 3
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We can use estimation to check for Reasonableness (how close)

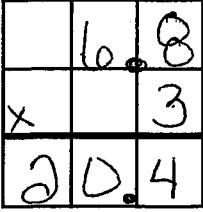
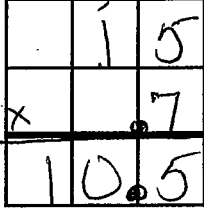
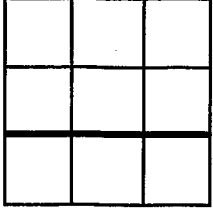
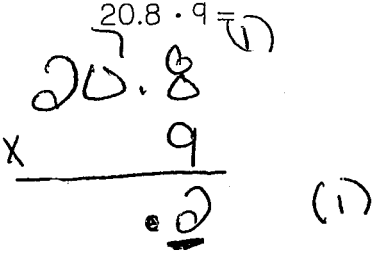
Round to the nearest whole number in order to estimate a solution.

5. $\overset{5}{1.9} \rightarrow 2$ $\begin{array}{r} \times 6 \\ \hline 11.4 \end{array}$ $\begin{array}{r} \times 6 \\ \hline 12 \end{array}$ 11.4	6. $\overset{4}{0.94} \rightarrow 1$ $\begin{array}{r} \times 5 \\ \hline 4.70 \end{array}$ $\begin{array}{r} \times 5 \\ \hline 5 \end{array}$ 4.7	7. $\overset{6}{5.7} \rightarrow 6$ $\begin{array}{r} \times 11 \\ \hline 57 \\ \hline 570 \end{array}$ $\begin{array}{r} \times 11 \\ \hline 66 \end{array}$ $\begin{array}{r} 62.7 \end{array}$ 62.7
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20

Use your understanding of decimal multiplication to solve the problems below.

<p>8. 6.8 $\times 3$</p>  <p>$7 \times 3 = 21$</p>	<p>9. 15 $\times 0.7$</p>  <p>$15 \times 1 = 15$</p>	<p>10. 0.41 $\times 5$</p> 
<p>11.</p> 	<p>12. $7.19 \cdot 2.2 =$</p>	<p>13. $3.35 \cdot 8 =$</p>
<p>14. $115.3 \cdot 0.5 =$</p>	<p>15. $6.8 \cdot 34 =$</p>	<p>16. $4.02 \cdot 9 =$</p>

Solve the problems below. Be sure to show your work.

<p>17. Amber has a dog walking business. She walks a golden retriever 1.8 miles each work day for a week. How many miles does Amber walk the golden retriever?</p>	<p>18. Fiji apples are priced at \$1.79 per pound. If Hayden purchases 2.5 pounds of apples, what will the total price of his purchase be?</p>
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Summarize today's lesson:



Name _____

Date _____

HOMEWORK: Multiplying Decimals

Solve. Be sure to show your work.

1. $12 \cdot 4.6 =$

2. $9 \cdot 0.57 =$

3. $7.6 \cdot 4.1 =$

4. $42.7 \cdot 6 =$

5. Laura is making a bracelet at camp using 1.9 cm beads. What is the length of her bracelet if she uses 18 beads?



6. The average mail carrier walks 4.8 kilometers in a workday. How far do most mail carriers walk in a 6-day week?