

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

Name: _____ Date: February 27, 2020 _____

Math:

Translating Expressions Continued

nb. p 10 hwk 2 sided wksh

Social Studies:

- Kahoot Review China

HW: Test Tomorrow 2/28

ELA:

Daily Warm-up

Figurative Language/Sound Devices
Page 142 - Questions 1-5

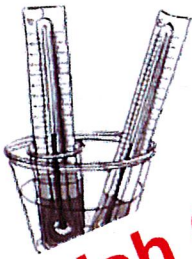
Science

① finish claim/Evidence page 11

② NOTES Page 12

③ Copy Plan page 13, record observations pg 13

Computer Apps/ Technology



He

receive
earth's

1. Finish Claim, Page 11
2. Copy Now

raise the temperature of a sample of
 degrees C?

How did the heat transfer from the hot to the cold water?

Explanation

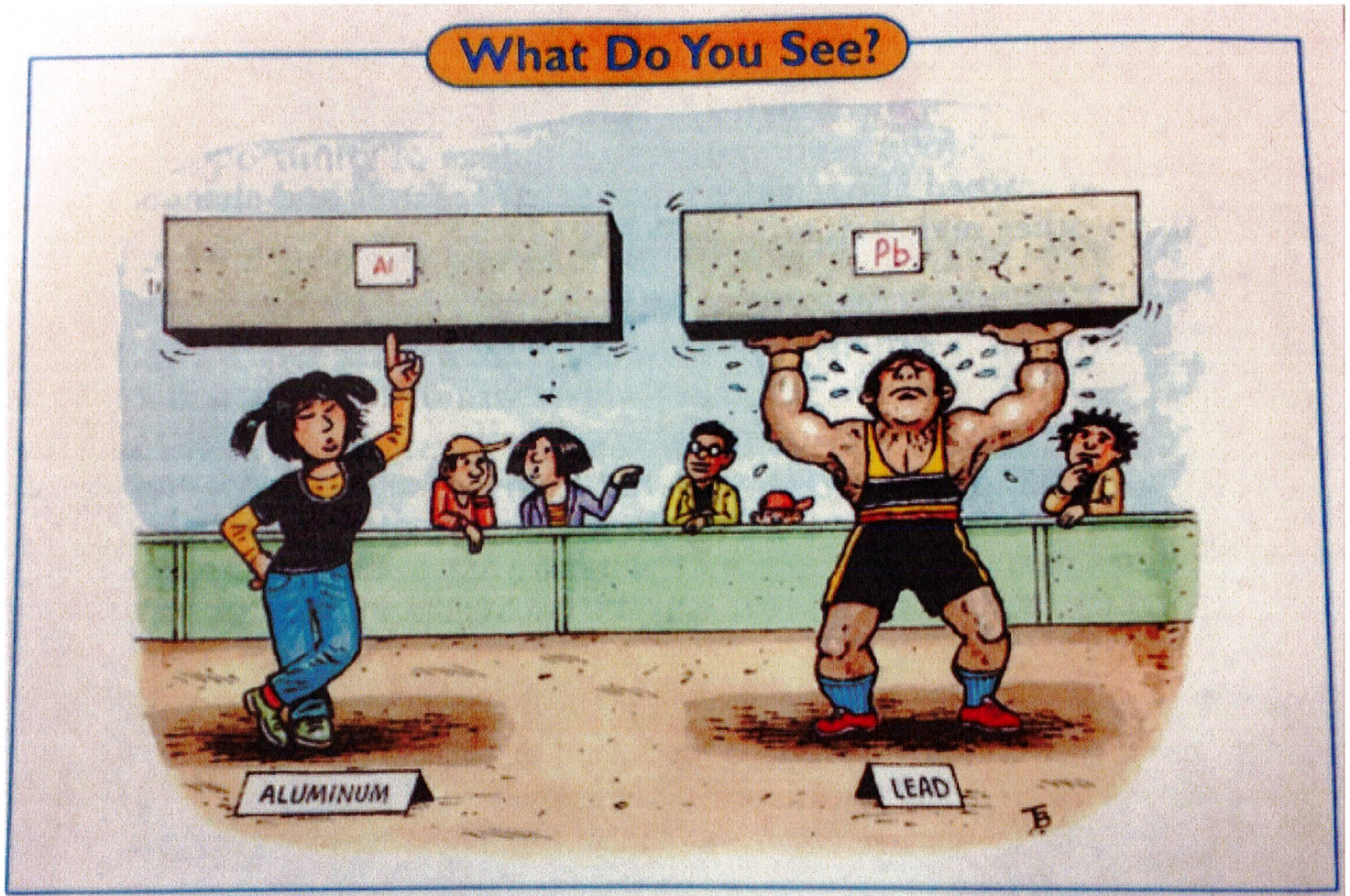
- There is no cold, just less **heat** **cold**.
- Heat moves from **hot** to **cold**.
- Heat *transfers* from **more** heat to **less** heat
- **Heat is** motion of **atoms** and **molecules**

Page 12

When the atoms of the **Warm water** come in
contact with the vial, the particles in the water bounce into the
 particles in the vial. Some of the heat is **transferred** to the
 particles in the vial. In turn, the particles in the vial then transfer
heat/energy to the water in the vial. All the energy was
 transferred by **contact/touch**. This type of energy transfer
 is called **Conduction**.

goes w/ lab
Page 13

Aluminum vs steel



Share your observations and inferences with your team/ peer.

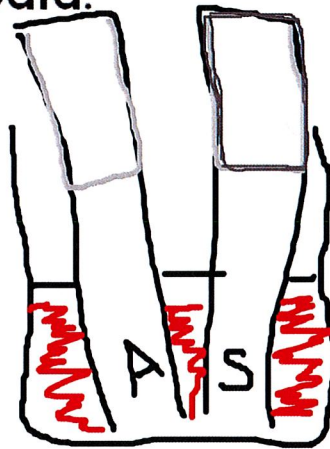
Focus Question: How does the air receive energy from the Earth's surface?

Task 2: Can heat conduct through an object like a spoon?

Plan:

1. Compare aluminum and steel
2. Tape a liquid crystal on the end of the aluminum and steel
3. Fill a styrofoam cup 3/4 with hot water (55°C)
4. Set the timer, and insert the bars, tape side up, into the hot water.
5. Record the times at which you noticed a color change. Continue until the strip fully changes color.

Data:



Copy Now

A: _____
S: _____

Describe the colors
Note the time when change is observed

P10

into then to from

Write an algebraic expression to represent the verbal expression.

4. six less than n $n - 6$	5. the difference of ten and q $10 - q$	6. nineteen added to j $j + 19$	7. fourteen increased by b $14 + b$
8. k less seven $k - 7$	9. twelve less than p $p - 12$	10. the sum of g and eleven $g + 11$	11. t decreased by three $t - 3$

Multiplication is written side-by-side with the Coefficient in front of the variable. eg. $5a, 7m, 0.3r, -\frac{1}{4}t$

the product of nine and n $9n$	q times twelve $12q$	twice a number, n $2n$	sixteen multiplied by j $16j$
-----------------------------------	-------------------------	---------------------------	----------------------------------

With division you must determine which term is the dividend and which is the divisor.

$\frac{12}{3}$
12 ← dividend
3 ← divisor

k divided by ten $\frac{k}{10}$	the quotient of x and six $\frac{x}{6}$	nine divided by c $\frac{9}{c}$	the quotient of four and q
------------------------------------	--	------------------------------------	----------------------------

equation

- An equation shows that one expression is equal to another expression.
- It contains an equal sign.

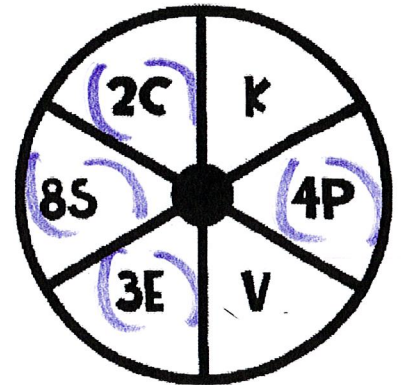
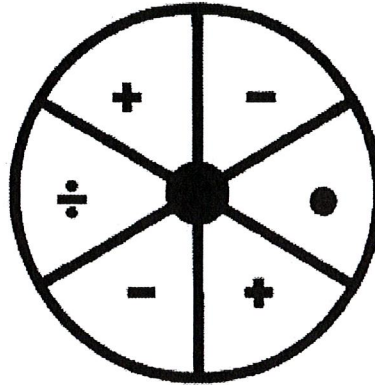
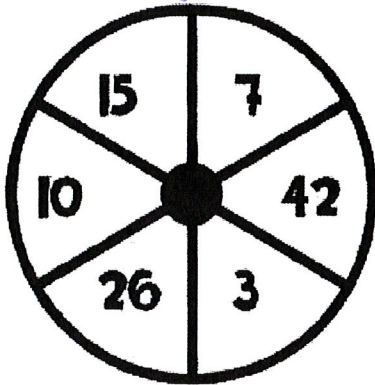
Write an expression or an equation based on the information below.

1. four times w is 18 $4w = 18$	2. n divided by seven
3. one-third the sum of eleven and p	4. fourteen is half of g
5. the product of r and nine is forty-five	6. the difference between five and b
7. the quotient of s and eight	8. the quotient of m and five, plus nine

quantity of
sum of
Product of
variable
chase words
#

WRITING EXPRESSIONS

Spin each spinner. Then, create an algebraic and verbal expression using those terms.



Answers vary based on spin.

NUMBER	OPERATION	VARIABLE	ALGEBRAIC EXPRESSION	VERBAL EXPRESSION

Translating Expressions 6th

Hmwk

Name: _____ Date: _____

A. Translate each verbal phrase into a math expression. **CHOOSE ANY 6 TO DO*

1. Some number increased by 28 _____
2. Product of a number 12 and e _____
3. 24 divided into a number n _____
4. Quotient of a number j and 32 _____
5. A number w less than 18 _____
6. Twice the difference between 19 and some number _____
7. Five plus 22 then multiplied by some number _____
8. 4 less than the product of some number and 6 _____
9. The difference between a number cubed and the number squared _____

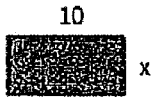
B. Write a math expression that would represent each situation.

**CHOOSE ANY 3 TO DO*

10. Linda has a balance of \$400.00 in her checking account. On Friday, she deposited her weekly paycheck in the amount of \$600.00.

11. Irene balanced her checkbook and had an ending balance of \$375.25. She then went shopping and used her debit card to purchase \$75.19 total in groceries.

12. Write an expression to find the perimeter of a rectangle with a length of 10mm and a width of x .



13. Mike has g green marbles and y yellow marbles. Tina keeps losing her marbles. She has half as many yellow and 3 less green marbles than Mike. Write an expression for Tina's marbles.

C. Write an English sentence represented by each expression without using the words add, subtract, multiply, or divide.

Example: $x - 2$

Answer: *the difference of a number and 2*

*****CHOOSE ANY 3 TO DO***

14. $x + 2$

15. $3x + 3$

16. $\frac{1}{2}(y)$

17. $2x - 5$