Name: ____

Integer Operations Practice

I can add, subtract, multiply, and divide with rational numbers.

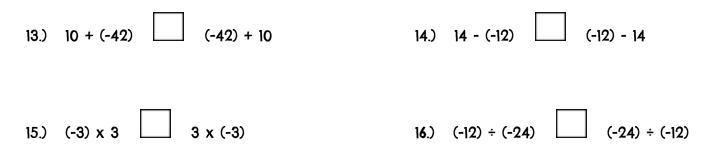
DIRECTIONS: Find these sums and differences. NO CALCULATOR! Show all your work!

5.) -3 - (-12) = 6.) -8 - 7 =

DIRECTIONS: Find these products and quotients. NO CALCULATOR! Show all your work!

- 7.) $10 \times (-4) = 8.) (-5) \times (-20) =$
- 9.) $44 \div (-4) =$ 10.) $(-12) \div (-6) =$
- 11.) $-50 \div 5 =$ 12.) $-3 \times 6 =$

DIRECTIONS: Insert = or \neq to make the statement true. NO CALCULATOR! Show all your work!



I can solve real-world and mathematical problems involving the four operations with rational numbers.

DIRECTIONS: Solve the word problems. NO CALCULATOR! Show all your work!

- 1.) Suppose the temperature is $-14^{\circ}F$. What will the temperature be if it rises $32^{\circ}F$?
- 2.) Jackson plays fullback on his high school football team. Sometimes he gains yardage (+5 means a 5-yard gain). Sometimes he loses yardage (-3 means a 3-yard loss). Determine how many yards Jackson's team has progressed in the game below.

GAME 1: +3 -9 +4 +16 -8

- 3.) A gas station is having a one-day special, they sell gasoline for \$15 below their usual cost. They sell 7,248 gallons of gasoline that day. How much money do they lose?
- 4.) If a submarine dives from a depth of 100 meters to a depth of 1,000 meters, what is the change in its depth?
- 5.) A squirrel climbed 18 inches up a tree, slipped back 4 inches, and then climbed up 20 inches more. How far up the tree has the squirrel made it?

6.) A skydiver falls at approximately 10 meters per second. How many meters will he fall in 40 seconds?

I can represent addition and subtraction of rational numbers on a number line diagram.

DIRECTIONS: Represent the following addition and subtraction problems on the number line provided.

