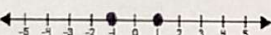Thurs.
Sept 1

Day 3: Quiz / Numbers and Opposites
    Obj: I will be able to find the opposite of a number.
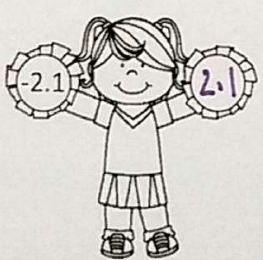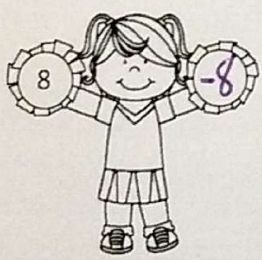
Numbers and their Opposites

What is an opposite?

positive or negative of a number
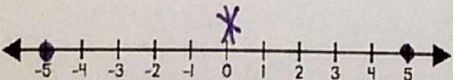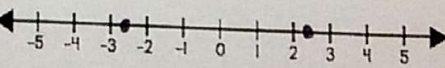the same distance from zero on the left/right side
of a number line

Using Opposites in Math Class

Find the opposites of numbers	Locate opposites on number lines	To compare, order, or explain
What is the opposite of 40? **-40**	Graph -3 and its opposite on the number line.	Circle the number that represents the greatest value.
What is the opposite of -9.5? **9.5**	Graph 1 and its opposite on the number line.	51 (The opposite of -78) = 78

Write the opposites of the numbers printed on the pom-poms.

8   -8   -2.1   2.1 $\frac{3}{5}$ -3/5

Locate and graph the numbers and their opposites on the number lines.

Graph -5 and its opposite.	Graph $2\frac{1}{2}$ and its opposite.

Name _____ Class _____ Date _____

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missing pieces
Math-Mazing Places: Opposites

It has been called the hottest place on Earth. Temperatures there can reach over 120°F. It is home to one of Earth's four living lava lakes. To learn the name of this Math-Mazing place, find the missing numbers. Use each code letter to fill in the blank spaces above the numbers.

11 | N. The opposite of −11

½ | S. The opposite of $-\frac{1}{2}$

−43 | E. The opposite of 43

−4.8 | P. The opposite of 4.8

−37 | D. The opposite of 37

−2/9 | K. The opposite of $\frac{2}{9}$

−56 | A. The opposite of 56

2.5 | I. The opposite of −2.5

72 | R. The opposite of −72

90 | L. The opposite of −90

−64 | O. The opposite of 64

D	A	N	A	K	I	L
-37	-56	11	-56	$-\frac{2}{9}$	2.5	90

D	E	P	R	E	S	S	I	O	N
-37	-43	-4.8	72	-43	$\frac{1}{2}$	$\frac{1}{2}$	2.5	-64	11

Read about it!

The **Danakil Depression** is located in Ethiopia. It has an elevation of ~~328~~ feet below sea level, making it the second lowest location in Africa. The region has a lava lake that has been active for over 100 years. Sulfur, mineral deposits, and thermal activity make the landscape very colorful. It is also extremely hot, with an average year-round temperature of ~~95~~°F.

Despite the heat and hostile environment, people still live and work there. They mine salt and use camels to haul the compound over the harsh terrain. The region produces about 1.3 tons of salt every year.

Find the opposites.

1. Underline the opposite of -100.

2. Circle the opposite of -1.3.

3. Cross out the opposite of -95.

4. Draw a line through the opposite of -328.

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