

NAME

DATE

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Unit 7, Lesson 4: Ordering Rational Numbers 17

1. Select all of the numbers that are greater than -5.

 A. 1.3

B. -6

C. -12

 D. $\frac{1}{7}$ E. 1 F. -4 $-\frac{1}{2}, -1, -\frac{1}{2}, 0, \frac{1}{2}, 1$ 2. Order these numbers from least to greatest: $\frac{1}{2}, 0, 1, -1\frac{1}{2}, -\frac{1}{2}, -1$

Here are the boiling points of certain elements in degrees Celsius:

◦ Argon: -185.8 *next, next*◦ Chlorine: -34 *greatest*◦ Fluorine: -188.1 *next smallest*◦ Hydrogen: -252.87 *smallest*◦ Krypton: -153.2 *next, next, next**Hydrogen, Fluorine, Argon, Krypton, Chlorine*List the elements from least to greatest boiling points.4. Explain why zero is considered its own opposite.
(from Unit 7, Lesson 2)*Because it is in the middle of the + and - numbers*

5. Explain how to make these calculations mentally.

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100
↑
a. $99 + 54$

$100 + 54 - 1 = 153$

b. $244 - 99$

$244 - 100 + 1 = 145$

4 c. $99 \cdot 6$

$100 \cdot 6 - 6 = 600 - 6 = 594$

d. $99 \cdot 15$

$100 \cdot 15 - 15 = 1500 - 15 = 1485$

(from Unit 6, Lesson 9)

6. Find the quotients.

a. $\frac{1}{2} \div 2$

$\frac{1}{4}$ in head or

$\frac{1}{2} \div \frac{2}{1}$

K C F
 $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

b. $2 \div 2$

1

4 c. $\frac{1}{2} \div \frac{1}{2}$

1

d. $\frac{38}{79} \div \frac{38}{79}$

1

(from Unit 4, Lesson 11)

7. Over several months, the weight of a baby measured in pounds doubles. Does its weight measured in kilograms also double? Explain.

Yes, because kilograms also measure weight

(from Unit 3, Lesson 4)

1

months	lbs	Kg
1	10	4.54
2	20	9.07