Names (pair) _____ Date _____

Integers: Puzzles and Review

1 ON YOUR OWN **Calculation chain.** Start at -8 and work along the chain.

$-8 \rightarrow +12 \rightarrow$ ☐ $\rightarrow \times(-3) \rightarrow$ ☐ $\rightarrow \div(-6) \rightarrow$ ☐ $\rightarrow -10 \rightarrow$ ☐

$\rightarrow \times(-1) \rightarrow$ ☐

2 IN PAIRS Put in order from smallest to greatest.

$-7 \quad 3 \quad -12 \quad 0 \quad |-5| \quad -(-4)$

☐ < ☐ < ☐ < ☐ < ☐ < ☐

3 IN PAIRS The highest and lowest temperature in a day. What is the difference?

highest	lowest	calculation	difference
5 °C	−3 °C		
−2 °C	−9 °C		
12 °C	−4 °C		

4 IN A GROUP CHALLENGE a) Two integers add up to -3 and multiply to -10. What are they? b) The sum is 1 and the product is -12.

a) ☐ and ☐ b) ☐ and ☐

5 ON YOUR OWN **Review.** Work out.

$-15 + 9 =$ ☐ $\quad -4 - (-11) =$ ☐ $\quad (-6) \times (-7) =$ ☐

$48 \div (-8) =$ ☐ $\quad -3 \times 4 - 2 =$ ☐ $\quad |-8| - |3| =$ ☐

Names (pair) _____ Date _____

6 IN PAIRS True or false? Correct the false statements.

Every negative number is less than zero. **true / false**

Correction: _____

The sum of two negative numbers is positive. **true / false**

Correction: _____

$(-1) \times (-1) \times (-1) = 1$ **true / false**

Correction: _____

Subtracting a number is the same as adding its opposite. **true / false**

Correction: _____

How am I doing?

I can...	confidently	mostly	need practice
show an integer on a number line and compare integers	☐	☐	☐
find the opposite and the absolute value	☐	☐	☐
add and subtract integers with counters, on a number line and mentally	☐	☐	☐
multiply and divide integers and explain the sign rules	☐	☐	☐
follow the order of operations and solve a word problem	☐	☐	☐

The Counters app · otooly.com/counters

Operations mode: make up four calculations of your own, one for each operation, and check them step by step.