Name _____ Date _____

Grade 8 Practice Test: Unit 2 Integers

1. Use a number line to find the value of each expression. Sketch the number lines you used.

    a) $(+3) \times (-6)$

    b) $(-4) \times (-3)$

    c) $(+15) \div (+3)$

    d) $(+6) \div (-2)$

2. Use coloured tiles to find the value of each expression. Sketch the tiles you used.

    a) $(+3) \times (+2)$

    b) $(-2) \times (+5)$

    c) $(-14) \div (-7)$

    d) $(-12) \div (+3)$

3. Evaluate.

    a) $(+6)(-5)$

    b) $(-2)(+14)(-1)$

    c) $(+4)(-12)(-2)(-1)$

    d) $(+7)^2$

    e) $(-5)^2$

    f) $\dfrac{(+2)(-9)}{-3}$

4. Explain why the product of an integer multiplied by itself cannot be negative.

5. State which operation you do first.

    a) $(-4) \times (-5) \div 2$ **b)** $3 - (-15) + (-5)$

6. Evaluate each expression. Show all steps.

    a) $5-(9-8)\times4$ **b)** $(6\div3-2)\div3$

    c) $3\div(6-(9-4))$ **d)** $\dfrac{(-3)(-5)+1}{(-2)-2}$

7. Place brackets in the correct position to make each statement true.

    a) $(-40) \div (+20) \div (-10) \div (+5) = +1$

    b) $(-100) \div (+50) \div (-10) \div (+5) = +100$

BONUS FROM UNIT 1:

1. Solve for the missing side length