

Integer Assignment / Quiz Review

Name: Answer Key

Score: /45

1. Answer each addition, subtraction, multiplication and division question. (___/16)

a) $(+9) + (-4) = 5$

g) $(+11) - (+15) = -4$

m) $(-20) \div (+5) = -4$

b) $(-10) + (-13) = -23$

h) $(-9) - (-6) = -3$

n) $(+45) \div (-9) = -5$

c) $(-8) + (+25) = 17$

i) $(-6) \times (-4) = 24$

o) $(-16) \div (-4) = 4$

d) $(+7) + (-16) = -9$

j) $(+2) \times (-6) = -12$

p) $(+8) \div (+4) = 2$

e) $(-9) - (+12) = -21$

k) $(-3) \times (-12) = 36$

f) $(+19) - (-14) = 33$

l) $(-9) \times (+4) = -36$

2. Fill in the missing number to complete each equation. (___/8)

a) $(-2) + (17) = +15$

e) $(+4) \times (-8) = -32$

b) $(+8) + (-22) = -14$

f) $(-7) \times (-5) = +35$

c) $(-19) - (-7) = -12$

g) $(-48) \div (8) = -6$

d) $(31) - (+24) = +7$

h) $(-28) \div (-4) = +7$

3. Write 3 possible equations for each integer. (___/6)

a) $(3) \times (-8) = -24$

$(-20) - (4) = -24$

$(-12) + (-12) = -24$

b) $(35) \div (-7) = -5$

$(-10) + (5) = -5$

$(15) - (20) = -5$

There could be multiple answers for this question. Check with a calculator!

4. Is the product of $(-3) \times (+5) \times (-2)$ equal to a positive or negative integer? Explain how you know. (___/2)

$-3 \times 5 = -15$

$-15 \times -2 = 30$

Two negatives and one positive = negative answer

5. Show all the possibilities for $\square \times \square \times \square = -12$

(___/3)

$1 \times 1 \times 1$

$2 \times 2 \times 2$

$3 \times 3 \times 3$

Multiple answers check w a calculator.

6. "Imaginary Bob" buys everyone in your class the five dollar deal on pizza day to say thank you for explaining how to add integers. Using integer multiplication, show how much Bob spent on pizza day.

(___/2)

We have 26 students. $26 \times 5 = 130$ spent
or
 $26 \times -5 = -130$ left.

7. Using only the following list of integers { -2, +3, -10, +12, -6 }:

- a) What is the largest product you could make if you combined any two of them? Show the product. (___/2)

$$-10 \times -6 = 60$$

- b) What is the smallest product you could make if you combined any two of them? Show the product. (___/2)

$$-10 \times 12 = -120$$

- c) What is the largest sum you could make if you combined any two of them? Show the sum. (___/2)

$$12 + 3 = 15$$

- d) What is the smallest sum you could make if you combined any two of them? Show the sum. (___/2)

$$-10 + -6 = -16$$

