

Algebra Unit 0-Back to Basics Review
Day 1 Worksheet
Operations With Integers

Name _____
Date _____ Hour _____

In Class Practice Part 1: Fill in the blanks.

1. Positive integers are _____ than zero.
2. Negative integers are _____ than zero.
3. Joe lives in a city that is 15 feet below sea level. Represent this with an integer.

In Class Practice Part 2: Adding Integers.

- | | | |
|------------------|------------------|---------------------|
| 1.) $-2 + 4 =$ | 2.) $7 + (-8) =$ | 3.) $-6 + (-3) =$ |
| 4.) $-23 + 31 =$ | 5.) $-7 + 0 =$ | 6.) $-38 + (-54) =$ |

In Class Practice Part 3: Subtracting Integers

Remember to ADD the OPPOSITE.

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|---------------------|----------------------|---------------------|
| 1.) $15 - 4 =$ | 2.) $-1 - 8 =$ | 3.) $8 - (-2) =$ |
| 4.) $-6 - (-11) =$ | 5.) $4 - 7 =$ | 6.) $-2 - 5 =$ |
| 6.) $-3 - 12 =$ | 7.) $12 - 15 =$ | 8.) $-12 - (-13) =$ |
| 9.) $-13 - (-13) =$ | 10.) $-36 - (-21) =$ | 11.) $16 - 33 =$ |

In Class Practice Part 4: Multiply and Divide Integers

- | | | |
|------------------------|-----------------------|----------------------|
| 1.) $-6(-9) =$ | 2.) $-5(5) =$ | 3.) $4(-5) =$ |
| 4.) $\frac{-10}{-5} =$ | 5.) $\frac{50}{10} =$ | 6.) $\frac{9}{-9} =$ |

Unit 0 Day 1 Homework: Perform the indicated operation. Do NOT use a calculator.

1.) $3 + (-5) =$

2.) $3 + (-9) =$

3.) $2 + (-4) =$

4.) $10 - (-3) =$

5.) $2 - (-5) =$

6.) $3 + (-5) =$

7.) $-2 - 3 =$

8.) $12 - (-20) =$

9.) $-4 - 3 =$

10.) $21 - (-3) =$

11.) $2 - 3 =$

12.) $3(-5) =$

13.) $34(-2) =$

14.) $-9(-4) =$

15.) $12(-3) =$

16.) $\frac{-12}{4} =$

17.) $\frac{-20}{-2} =$

18.) $\frac{200}{-50} =$

For questions 19 – 20 use the following chart.

Animal	Position
Dall's Porpoise	-330 ft
Pacific White-Sided Dolphin	-660 ft
Beluga Whale	-990 ft
Bottlenose Dolphin	-1640 ft
Pilot Whale	-1970 ft

19.) How much deeper can a Bottlenose Dolphin dive than a Dall's Porpoise?

20.) How much deeper can a Beluga Whale dive than a Pacific White-Sided Dolphin?