Integers Worksheet I

1. Write the next 5 terms in the sequence:
    a. 5, 6, 7, ___, ___, ___, ___, ___   b.   4, 3, 2, ___, ___, ___, ___, ___

    c. -3, -4, -5, ___, ___, ___, ___, ___   d.   -5, -4, -3, ___, ___, ___, ___, ___

2. From each pair of numbers, circle the largest number.

    3 5   -2 6   4 -1   -3 -1   -4 0

3. From each pair of numbers, circle the smallest number.

    1 0   -4 5   -1 -6   0 -3   -2 -5   4 -1

4. Insert a   <   or a   >   symbol in the box to make a true number sentence.
    a.   4 ☐ 9   b.   ⁻2 ☐ ⁻5   c.   ⁻7 ☐ ⁻8

5. a. A whale dives 500 metres below sea level. A seagull flys 100 metres above sea level,
        directly above the whale. How far apart are the whale and the seagull? _____

    b. An elevator is in the lower carpark, 3 floors below ground level. It moves to the 5th
        floor. How many floors does it travel? _____

6. a. Ben has $20. Bryanna has $60 cash.
        How much better off is Bryanna than Ben? _____

    b. Kylie has a debt of $40. Sarah has $60 cash.
        How much better off is Sarah than Klyie? _____

    c. Matthew has a debt of $15. T
        Trent has a debt of $80.
        Who is better off? _____ By how much? _____

7. Draw a number line from ⁻6 to 6. On the number line plot the integers:
    a. 4   b. 0   c. –5   d. –2

8. Write your own definition of the term **integer**.

    ....

    ....

9. Which of the following are integers? Circle them

    a. -4   b. $\frac{16}{4}$ c. 1.99   d. $\sqrt{1}$ e. $\sqrt{32}$

10. What is the opposite of: a. 3 _____   b. -2 _____   c. 0 _____

Integers Worksheet II

1. How much does Sarah have altogether if:

    a. she has $5 in one pocket and $6 in another pocket?   _____

    b. she has $11 in one pocket and a bill for $7 in another pocket?   _____

    c. she has $8 in one pocket, $3 in another pocket and a
        bill for $5 in a third pocket?   _____

2. How much does Sarah owe if:

    a. she has $5 in one pocket and a bill for $15 in another pocket?   _____

    b. she has a bill for $6 in one pocket and a bill for $7 in another pocket?   _____

    c. she has a bill for $1 in one pocket, a bill for $4 in another pocket,
        and a bill for $13 in a third pocket?   _____

3. Write each of these as a number sentence.

    a. Sharleigh has $4 in one pocket and $8 in another.   _____

    b. Sharleigh has a bill for $9 in one pocket and $14 in another.   _____

    c. Sharleigh has a bill for $3 in one pocket and a bill
        for $17 in another.   _____

4. Write a story about money and bills for each of these number sentences.
    a. $5 + {}^-6 = {}^-1$

    ....

    ....

    b. ${}^-3 + 9 = 6$

    ....

    ....

    c. ${}^-2 + {}^-3 + {}^-4 = -9$

    ....

    ....

    d. ${}^-5 + 5 = 0$

    ....

    ....

5. Evaluate

    a. $5 + {}^-2 =$ _____   b. ${}^-3 + {}^-1 =$ _____   c. ${}^-6 + 11 =$ _____

    d. $6 + {}^-6 =$ _____   e. $5 + {}^-3 + 4 + {}^-7 =$ _____   f. ${}^-2 + {}^-5 + {}^-6 =$ _____

    g. $-2 + -2 =$ _____   h. $-5 + 1 =$ _____   i. $6 + -11 =$ _____

    j. $-4 + 4 =$ _____   k. $-2 + {}^-1 + {}^-2 + {}^-6 =$ _____   l. $-4 + 3 + 7 =$ _____

Problem Solving

6.   Write the number in the box that makes the number sentence true.

   a. $5 + \boxed{} =$ b. $4 + \boxed{} = {}^-$ c. ${}^-3 + \boxed{} = 5$

Integers I – 5 Minute Review

(Don't copy questions, just write answers)

1.   What are integers?
2.   List 3 integers bigger than 5.
3.   List 3 integers smaller than -5.
4.   List 3 numbers that are NOT integers.
5.   a. Which is larger, 2 or -2?

   b.   Which is larger, 2 or -2?

6.   a. What is the opposite of -5?

   b.   What is the opposite of 2?

Integers II – 5 Minute Review

*** Don't copy questions, just write answers ***

1.   What are integers?
2.   Find the next 3 terms: 3, 2, 1, ___ ___ ___
3.   List 3 numbers that are NOT integers.
4.   Which is larger, -3 or -4?
5.   What is the opposite of -1?
6.   Evaluate:

   a.   4 + -4 =

   b.   -4 + -7 =

   c.   8 + -1 =

   d.   -5 + 7 =

Challenge!

7.   Evaluate

   a.   -3 + 7 + -1 + -5 + 2 =

   b.   6 + -3 + 2 + 3 + -6 + -2 =