	Answer	Key
Name:		and the second se

Integer unit review

For questions 1, 2 & 3 use a <u>zero pairs diagram</u>. Write the correct answer and circle it.

17

- 2. (-6) + (2). = -4
- 3. (+3) + (-9) + (+6) + (-5)



4. Complete the equation (6) + (-10) + \Box = (-12).

$$-4 + \Box = -12$$
$$= (-8).$$

4. Predict whether (+912) + (-782) will be positive or negative. Why?

(+ 6

It will be positive because 912 (the positive number), is greater than the negative number (782)

5. Calculate (+23) + (-17).

6. Calculate (-48) + (+12).

7. Calculate (+8) + (-13) + (-36).

$$-5 + -36 = (-41)$$

8. Calculate (-324) + (45) + (-167).

9. On Monday morning, Susanne had \$40 in her wallet. How much did

Susanne put into, or take out of, her wallet on Friday? Explain.

Day	start	Mon.	Tue.	Wed.	Thu.	Fri.
Gain/loss		+5	-12	+24	+17	
(\$)						-15
Total (\$)	40	45	33	51	14	59

- She took out #15" on Friday

10. For exercise, Ana walks up and down a staircase. She starts on the sixth step and walks as follows: up 3 steps, down 4 steps, up 2 steps, down 3 steps. On what step does she finish?

6+3-4+2-3=4 She Finishes on the 4th step.

11. The temperature dropped 3 degrees from midnight to noon. Then it rose 9 degrees from noon to 10:00 P.M. It is now -12°C. What was the temperature at midnight? Explain.

Name:	
2 0.0005233000	

Inclass Assignment #2: Subtracting Integers

For questions 1-5 use a <u>zero pairs diagram</u>. Write the correct answer and circle it.

1. (-8) - (4). (++++) = (-12)







For questions 6-10, rewrite the question using <u>KFC</u> and solve.

6.
$$(-14) - (-4)$$

 $(-14) + 4 = (-10)$

7.
$$(-13) - (-8)$$

 $(-13) + 8 = -5$

10. (-26) - (-7)

$$(-26) + 7 = (-19)$$

11. Josh had borrowed money from some classmates. He borrowed \$5 from Libby, \$3 from Anthony, \$10 from Astrid, \$2 from Devlyn and \$6 from Dawson. J looked in his wallet and had only \$7. How much more money does he need to pay all of his classmates back?

5+3+10+2+6=#26 possowed 7 + (-26) = -19He needs to payback \$19 total

12. Metal mercury at room temperature is a liquid. Its melting point is ⁻39°C. The freezing point of alcohol is ⁻114°C. How much warmer is the melting point of mercury than the freezing point of alcohol?

13. A monkey sits on a limb that is 15 m above the ground. He swings up 4m, and climbs up 2 more meters. Then then swings down 4m then swings down 6 more m. His final movement is a swing up of 3 m. How far off the ground is the monkey now?

15+4+2-4-6+3=14 the monkey is 14 m off the ground.

Integer Math Squares # 5



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Integer Math Squares # 6



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Solve the following. 1) (-3) + (+5) = ?a) -2 (b) + 2c) +8 d) -8 2) (+4) - (+5) = ?a) -9 b) +9 c) +1 (d) -1) 3) (-6) + (-15) = ?a) -31 b) -9 c) +9 (d) -21)

4) (+22) + (-11) + (-3) + (-1) + (+16) = ?a) -23 b) +23 c) +6

- d) -25
- 5) Solve the integer square. Remember that all four integers in the square must add up to the number on the blank under the square!

The missing number should be:

- a) -2 (b) +2)
- c) +1
- d) -3



6) The Bay of Fundy has tides that are some of the largest in the world. Fisherman in the area mark high tide with a pole that shows the water at a height. First thing in the morning the pole shows a water height of 10 meters. After 6 hours, the tide goes out and the water drops 14 meters. According to the fisherman's measuring pole the height of the water would be at what level at this time?

a)	-24 m
b)	-4 m)
c)	4 m

- d) 24 m
- 7) The average monthly high temperatures and precipitation are given below for five cities. Arrange the temperatures of the five cities from **highest to lowest** (descending order).

City	Temperature	Precipitation
Brunei	25° C	533 mm
Banda	26° C	525 mm
Nanisivik	-25° C	200 mm
Niigata	4.9° C	127 mm
Madagascar	23.8° C	326 mm

- a) Nanisivik, Banda, Brunei, Niigata, Madagascar
- b) Nanisivik, Niigata, Madagascar, Brunei, Banda
- c) Banda, Brunei, Madagascar, Niigata, Nanisivik
- d) Banda, Madagascar, Brunei, Niigata, Nanisivik
- 8) The diagram below represents what value?



- a) -6 b) -3
- d) +3