September 8, 2011

Warm-up:

Subtract.

1. $45 - 11$ **2.** $87 - 23$

3. $91 - 14$ **4.** $76 - 69$

5. $87 - 29 - 13$ **6.** $65 - 52 - 11$

Get out your homework in your RED journals...

Page 10 #1-12 all

#7-10: 2 pts each
- one for work
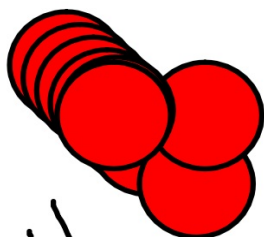- one for answer
#12 b: 2 pts
#12 c: 2 pts

20 points total
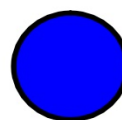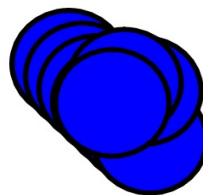
9/8 - Subtracting Integers

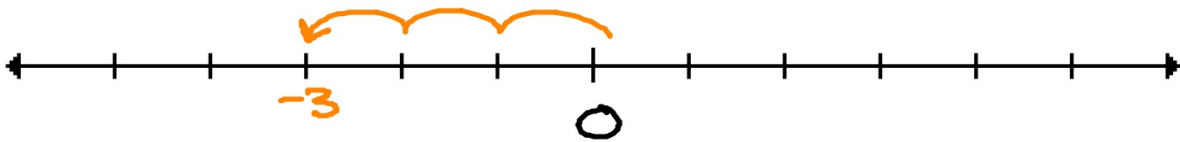## Integer Counters

one degree temperature increase

one degree temperature decrease

$$3 + (-4)$$
$$= -1$$

$$3 - 4$$
$$= -1$$

Number Line

```
←———|———|———|———|———|———|———|———|———|———|———|———→
              -3          0
```

$-3 - 2 = \underline{-5}$

$4 - 7 = \underline{-3}$

$-2 - (-3) = \underline{1}$

$-1 + 3$

$-1 - 3 = -4$

back words   turn around

$-3 - 5$

$-3 - (-5)$

Look at page 12 in your RED book.

Inductive Reasoning

Work with a partner. Use integer counters or a number line to complete the table.

Exercise	Operation: Add or Subtract	Answer
1 5. $4 - 2$	Subtract	2
2 6. $4 + (-2)$	Add	2
3 7. $-3 - 1$	Subtract	-4
4 8. $-3 + (-1)$	Add	-4
9. $3 - 8$		
10. $3 + (-8)$		
11. $9 - 13$		
12. $9 + (-13)$		

17. IN YOUR OWN WORDS How are adding integers and subtracting integers related?

18. Write a general rule for subtracting integers.

Add the opposite

$-3 + {}^-4 = {}^-7$

$10 + {}^-4 = 6$

$-10 + (-3) = {}^-7$

$4 + (+8) = 12$

Homework

GOLD worksheet pg 12
"What should you do when you
can't sleep?"

Due ~~Thursday~~ Tuesday