



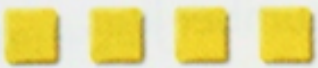

Unit 2: Day 4



Warm Up Grade 7



1) Write the integer modelled by each set of tiles.

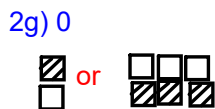
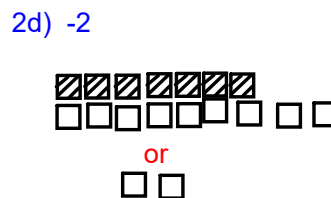
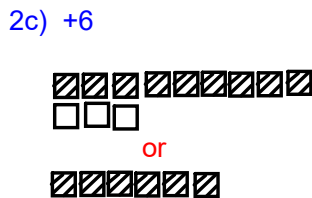
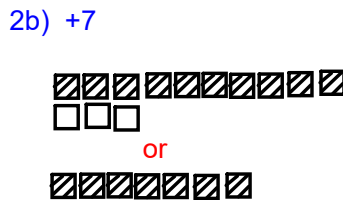
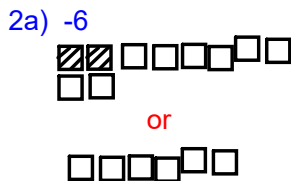
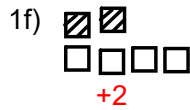
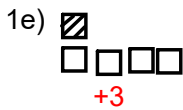
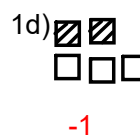
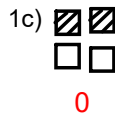
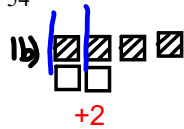
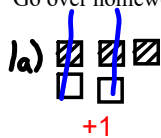
a)  $-7$	b)  $+1$
c)  $+4$	d)  $-3$

2) Model -3 two different ways Assessment Question

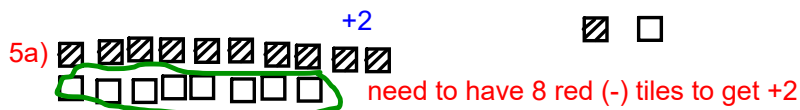


Homework Solutions

Go over homework pg. 54



4 is on next slide



5b) You need 98 red (-) tiles [98 zero pairs and 2 yellow left over for +2)

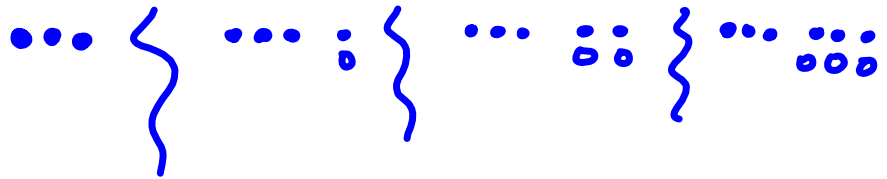


7a) deposit \$100: +100  
Pay back \$20: -20

7b) up 6: +6  
Down 4: -4

7c) rises 12°C: +12  
Falls 8°C: -8

#4 a) <sup>+</sup>3



+ Shaded	- unshaded	# total tiles	integer represented
3	0	3	+3
4	1	5	+3
5	2	7	+3
6	3	9	+3

4c) Number of total tile increases by 2 each time(makes sense since in order to have zer you must have 1 positive and 1 negative)

Both columns of shaded and unshaded increase by 1

# QUIZ

Friday



V2

- Represent the scenario with an integer
- Order integers from smallest to largest or largest to smallest

Ex) Earned \$7

- Place  $<$ ,  $>$ , or  $=$  into the blank ex)  $-8$  \_\_\_\_  $-12$

- Model an integer in 2 different ways

Ex) Model  $+3$

1st way

2nd way

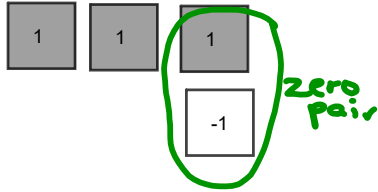
- Add the integers using tiles (Doing this today)

ex)  $(-7) + (+5)$

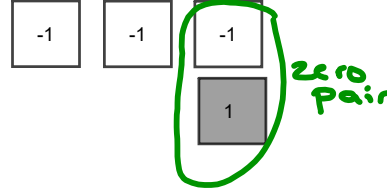
### Representing Integers

Ex 1) Fill in the blank with each integer being modelled by how many tiles 

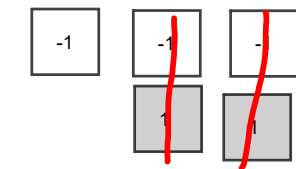
a)  $+2$  using  $4$  tiles



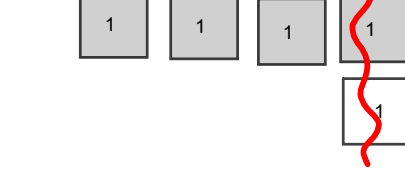
b)  $-2$  using  $4$  tiles



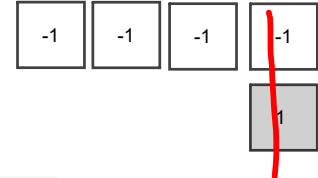
c)  $-1$  using  $5$  tiles



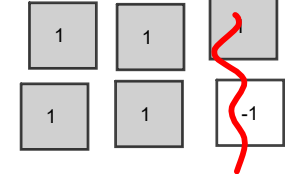
d)  $+3$  using  $5$  tiles



e)  $-3$  using  $5$  tiles




f)  $+4$  using  $6$  tiles





ex 2) Model the following scenarios


a)  $+2$  using  $6$  tiles




b)  $-3$  using  $5$  tiles




c)  $-3$  using  $7$  tiles




d)  $-3$  using  $9$  tiles



e)  $0$  using  $6$  tiles



f)  $0$  using  $4$  tiles



Modeling Integer Addition

(top) + (Bottom)

Top  
 $(+4) + (+2)$   
 ↓ Shaded  
 4 shaded

+6

Bottom  
 $(-3) + (-3)$

-6

$(-2) + (-5)$

-7 

Bank

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

+1

$(-8) + (+4) = -4$

Represent the following with an integers, then find the sum:

a) Karen lost \$15 but found \$20

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



answer  
to  
adding

always show  
work

Sept. 13

Class/Homework

pg. 58 # 1(a,c,e)

#2 a,c

#3(a,b...sketch tiles),

#4(a,d,f)

#6(a,b,c, ~~any~~)

#9 Maybe

Yellow  $\Rightarrow$  positive  
 $\Rightarrow$  (Shaded)Red  $\Rightarrow$  negative  
(unshaded)

$$\#1a) \underset{\text{Top}}{( )} + \underset{\text{Bottom}}{( )} = ( )$$