

Unit 2: Day 4



Warm Up Grade 7

Yellow \Rightarrow shaded $\Rightarrow +$
 Red \rightarrow unshaded $\Rightarrow -$

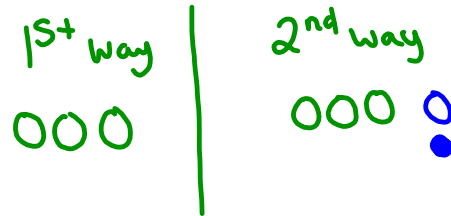


1) Write the integer modelled by each set of tiles.

a) (-7) b) (+1)

c) (+4) d) (-3)

2) Model -3 two different ways Assessment Question



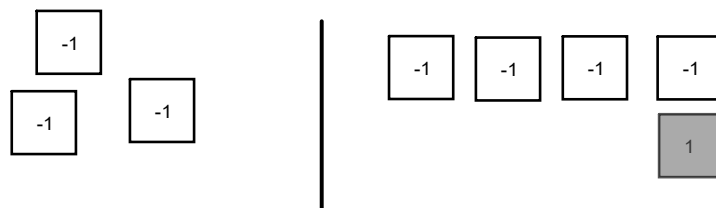
Warm Up Solutions

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



Go over homework pg. 54 Homework Solutions

1a) +1 1b) +2 1c) 0 1d) -1

1e) +3 1f) +2

2a) -6 2b) +7

2c) +6 2d) -2

2g) 0

4 is on next slide

5a) +2 need to have 8 red (-) tiles to get +2

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

6a) Forward 9 = +9 6b) Down 5 = -5 6c) Up 11 = +11 6d) Down 7 = -7

7a) deposit \$100: +100 7b) up 6: +6 7c) rises 12°C: +12
 Pay back \$20: -20 Down 4: -4 Falls 8°C: -8

#4 a) 3

+	-	# total	integer
Shaded	unshaded	tiles	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

Tomorrow



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

Bigger

- 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



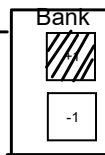
e) 0 using 6 tiles



f) 0 using 4 tiles

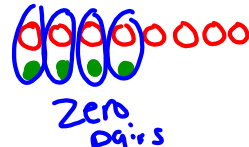

Shaded $\Rightarrow +$ Unshaded $= -$ (top) + (Bottom)
 Modeling Integer Addition

$(+4) + (+2) = (+6)$  

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

$(-2) + (-5) = (-7)$   

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

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

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

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

always show work

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



Class/Homework
 pg. 58 # 1(a,c,e)
 #2,
 #3(a,b...sketch tiles),
 #4(a,d,f)
 #6(a,b,c,d,e) → () + () = ()
~~#7(a,b,c,d,e)~~

Yellow Shaded = +
 red Unshaded = -

Top [] [] [] []
 Bott [] []

1a) (+4) + (-2) = (+2)
 1c) () + () = ()
 1e) () + () = ()

Modeling Integer Addition

(+4) + (+2)
 [1] [1] [1]
 [1] [1] [1] ★

(-3) + (-3)
 [-1] [-1] [-1] [-1] [-1] [-1] ★

(-2) + (-5)
 [-1] [-1] [-1] [-1] [-1] [-1] [-1] ★

(+4) + (-3)
 [1] [1] [1] [1] [-1] [-1] [-1] ★

(-8) + (+4)
 [-1] [-1] [-1] [-1] [-1] [-1] [-1] [-1]
 [1] [1] [1] [1] ★

Bank

[1]

[-1]

Modeling Integer Addition

(+4) + (+2)

(-3) + (-3)

(-2) + (-5)

(+4) + (-3)

(-8) + (+4)

+6

-6

-7

+1

-4

Try these:

(a) $(-6) + (+2)$

(b) $(-3) + (-2)$

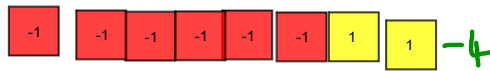
(c) $(+2) + (-7)$

(d) $(-4) + (+5)$

(e) $(+1) + (-5)$

Try these:

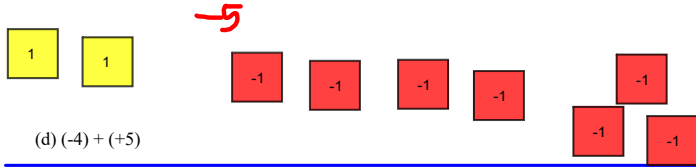
(a) $(-6) + (+2)$



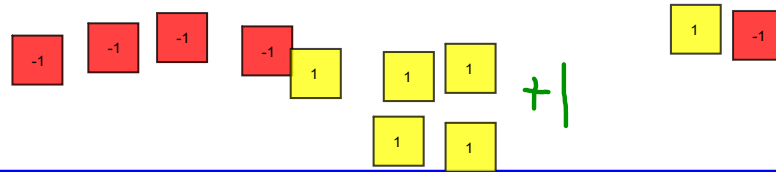
(b) $(-3) + (-2)$



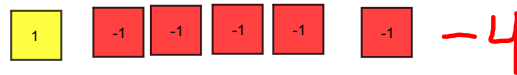
(c) $(+2) + (-7)$



(d) $(-4) + (+5)$



(e) $(+1) + (-5)$

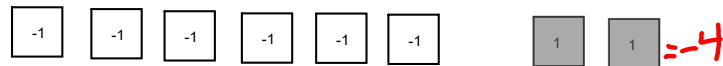


Homework pg. 58 # 1-6, 9, 10



Try these:

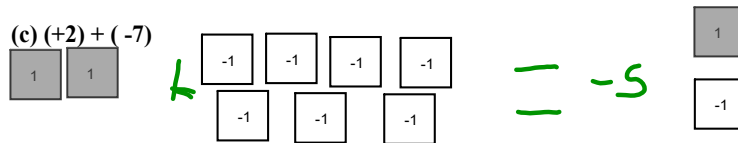
(a) $(-6) + (+2)$



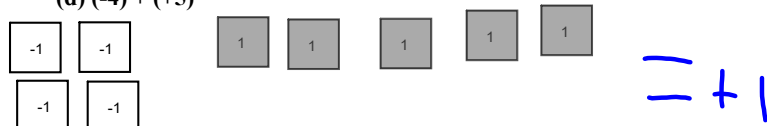
(b) $(-3) + (-2)$



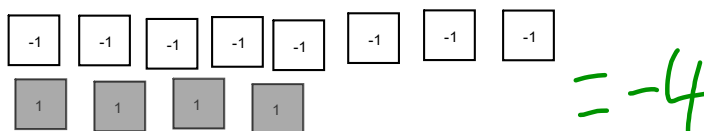
(c) $(+2) + (-7)$



(d) $(-4) + (+5)$



(e) $(-8) + (+4)$

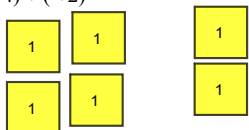


Homework pg. 58 # 1-6, 9, 10



Modeling Integer Addition

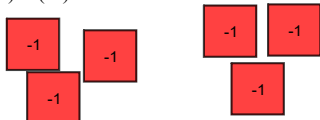
$(+4) + (+2)$



+6



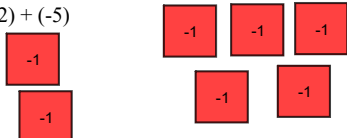
$(-3) + (-3)$



-6



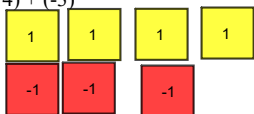
$(-2) + (-5)$



-7



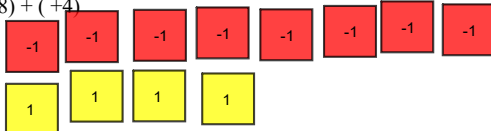
$(+4) + (-3)$



+1



$(-8) + (+4)$

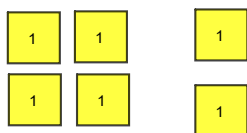


-4

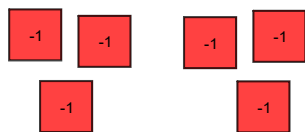


Modeling Integer Addition

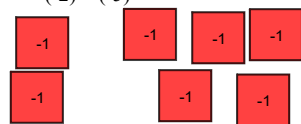
$(+4) + (+2)$



$(-3) + (-3)$



$(-2) + (-5)$



$(+4) + (-3)$



$(-8) + (+4)$

