



Warm Up Grade 7

Sept. 21, 2026

- 1) Represent each scenario with an integer
- a) You earned \$20 babysitting $(+20)$
 - b) You increased your mark by 17 points $(+17)$
 - c) I am in debt \$100 (-100)

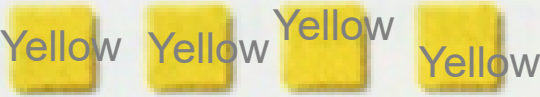
- 2) Put the following integers in order from smallest to largest

100, ~~52~~, ~~-68~~, ~~11~~, ~~-70~~, ~~-1~~, ~~5~~
 $-70, -68, -1, 5, 11, 52, 100$

- 3) The opposite integer to -4 is +4

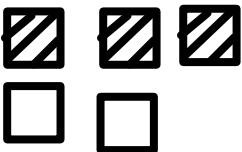
- 4) Write the integer modelled by each set of tiles.

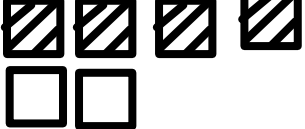
a)  (-7) b)  $(+1)$

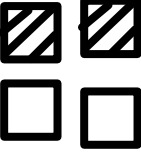
c)  $(+4)$ d)  (-3)

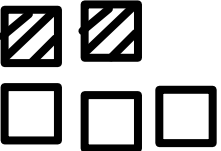
Go over homework pg. 54 orally

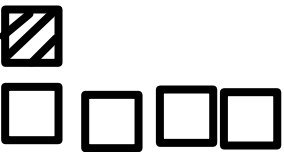
Homework Solutions

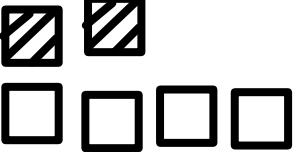
1a) 
+1

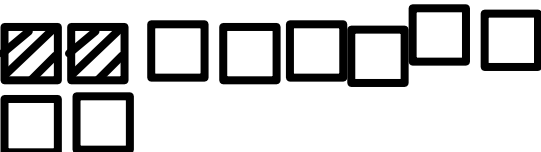
1b) 
+2

1c) 
0

1d) 
-1

1e) 
+3

1f) 
~~+4~~ -2

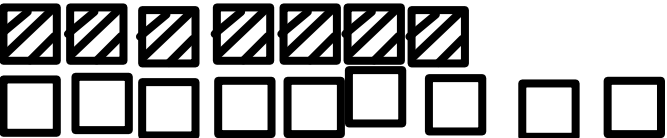
2a) -6

or

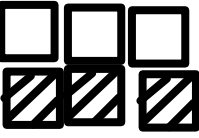

2b) +7

or

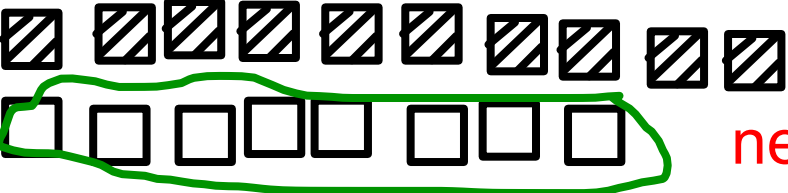

2c) +6

or


2d) -2

or


2g) 0
 or 

4 is on next slide

5a) 
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
Pay back \$20: -20

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

7c) rises 12°C: +12
Falls 8°C: -8

#4 a) 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



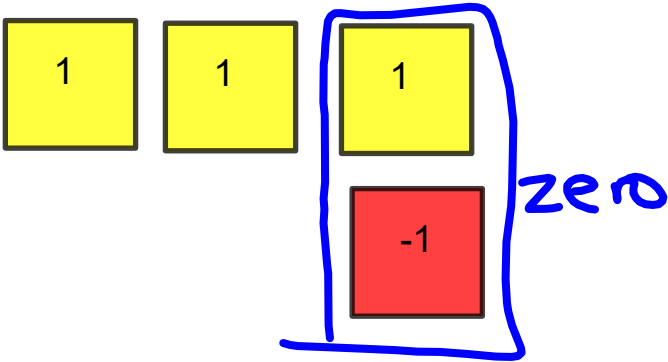
Time

Representing Integers

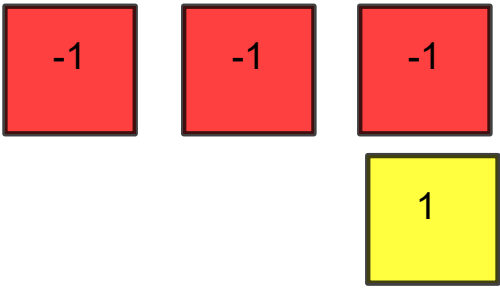
Ex 1) Fill in the blank with each integer being modelled by how many tiles.



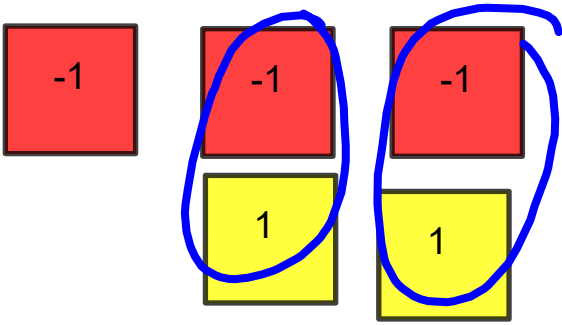
a) +2 using 4 tiles



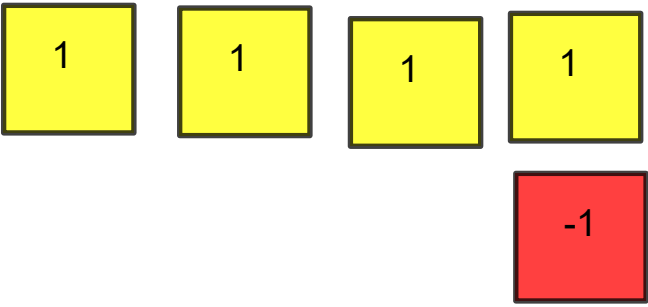
b) -2 using 4 tiles



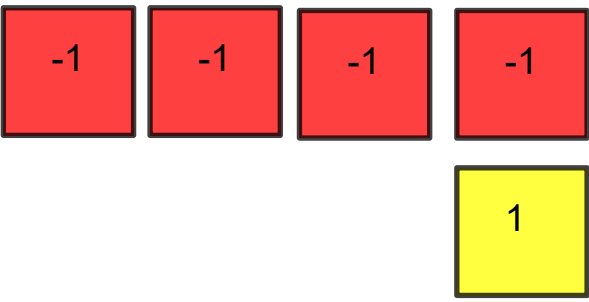
c) -1 using 5 tiles



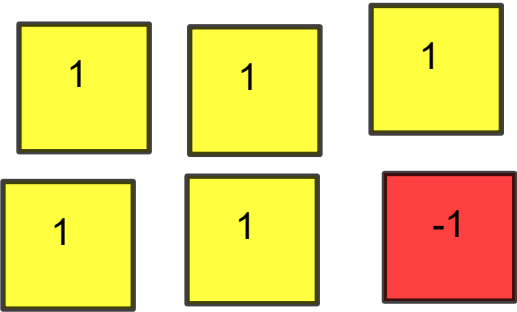
d) +3 using 5 tiles



e) -3 using 5 tiles

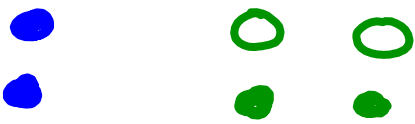


f) +4 using 6 tiles



ex 2) Model the following scenarios

a) +2 using 6 tiles



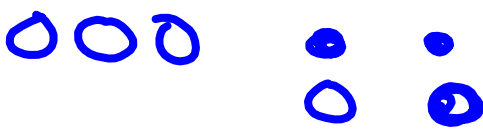
b) -3 using 4 tiles



No

Need 5 tiles

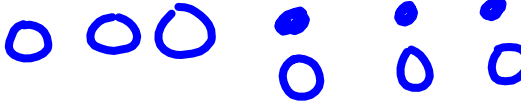
c) -3 using 7 tiles



Yes



d) -3 using 9 tiles



e) 0 using 6 tiles



f) 0 using 4 tiles



Top

Bottom

Modeling Integer Addition

Top

Bottom

(+4) + (+2)

••••

••

⇒ (+6)

★

(-3) + (-3)

○ ○ ○

○ ○ ○

= (-6)

★

(-2) + (+5)

○ ○ ○ ○ ○

= (-1)

★

Bank

1

-1

(+4) + (-3)

○ ○ ○ ○

○ ○ ○

zero

= (+1)

★

(-8) + (+4)

○ ○ ○ ○ ○ ○ ○ ○

○ ○ ○ ○

zero

⇒ (-4)

★

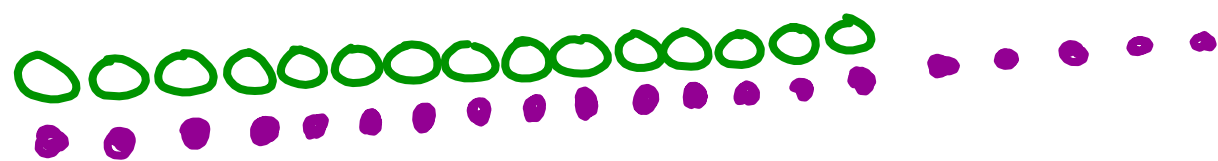
$$(\) + (\) = (\)$$

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

Sept

Gr 7 Textbook

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

#2,

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

#4(a,d,f)

#6(a,b,c,d,e)

#9 Maybe



Sept 17

#1 a c e, 2, 3 a b, 4 a d f, 6 a b e d e, 9?