Warm Up Grade 7

Monday, Sept. 20, 2021

add this to your sheets

(-16) + (-9) = -25

(+7)+(+8) = +15

(+14) + (-21) = -7

(+9) + (-17) = -8

Test Sept. 24

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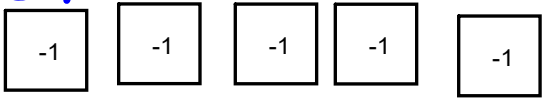
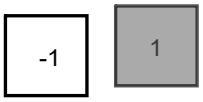
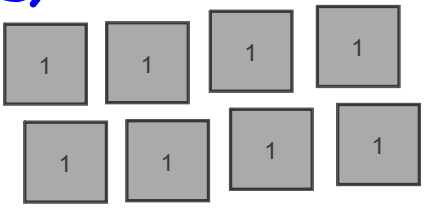
1a) -5



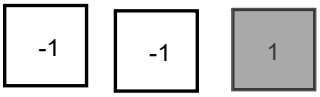
b) 0



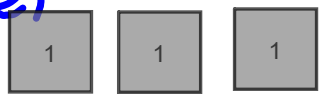
c) +8



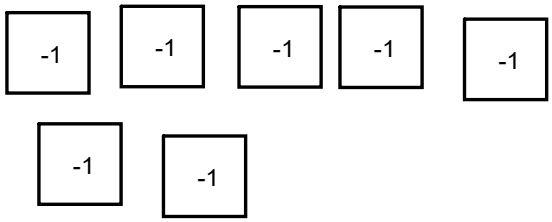
d) -1



e) +3



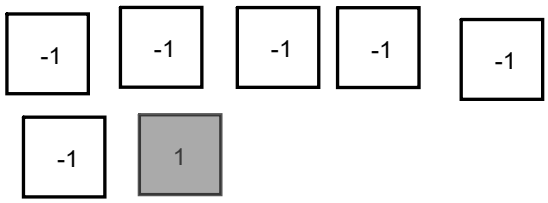
f) -7



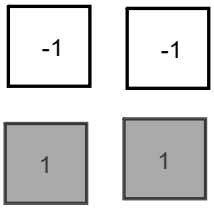
Homework Solutions

or

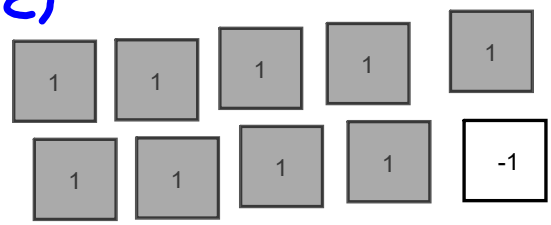
1a)



b)



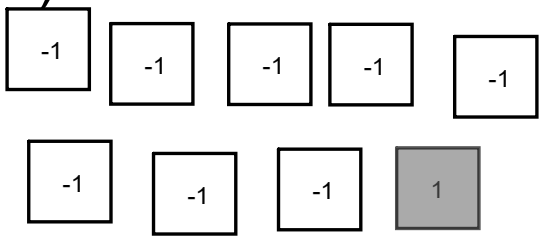
c) +8



d)

e)

f)



Homework Solutions

2) 8 red → 8 negative

you need 11 positive or yellow tile to get +3

(-8) + (___) = +3

← add 11 positive

3a) 6 yellow, 1 red

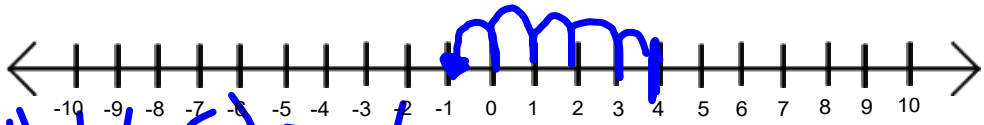
b) 5 yellow, 7 red

c) 4 yellow, 4 red

(+6) + (-1) = +5

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

(+4) + (-4) = 0



6a) (+4) + (-5) = -1

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

(+2) + (-3) = -1

(-2) + (+1) = -1

(-3) + (+2) = -1

Homework Solutions

7a) $(+50)+(-20)=+30$

b) $(+5)+(-10)=-5$

c) $124000+(-4000)=+120\ 000$

d) $+12\ 000+(-1200)=+10\ 800$

8a) $(-2)+(+6)=+4$

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

Orally go over Sheet 272 # 7-12 (questions that were not marked the previous day

Subtracting Integers using modeling

Notes

May need to add zero pairs in order to subtract

remove

(-10) - (-5)

Step 1) Model the first integer

Is there enough tiles to take away -5? Yes

Step 2) Show removing by circling the tiles that need to be removed and point a arrow away from the circle.

Step 3) What remains is you answer to the difference question.

(-10) - (-5) = ( )

Subtracting Integers using modeling

Notes

May need to add zero pairs in order to subtract

remove

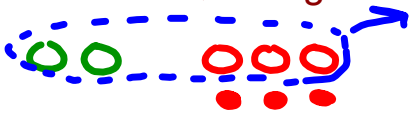
$(-2) - (-5)$

Step 1) Model the first integer

There are not enough tile to take away -5. To take away -5, we need 3 more negative tiles.

Step 2) We add ZERO pairs without changing the value.
Add 3 shaded and 3 unshaded to tiles.

Sept 3) Now take away 5 negative (unshaded) tiles.



$(-2) - (-5) = (+3)$

Subtracting Integers using modeling

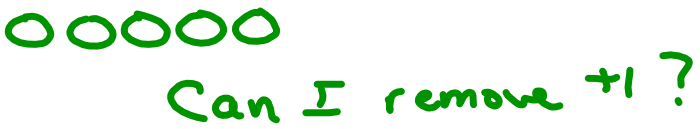
Notes

May need to add zero pairs in order to subtract

remove

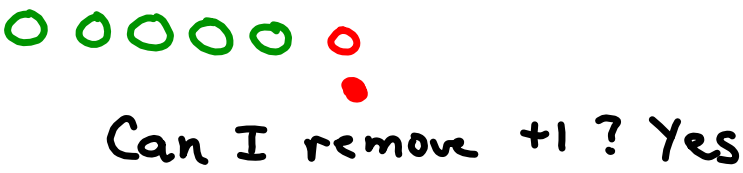
$(-5) - (+1)$

Step 1) Model the first integer



Can you remove the second integer? No

Step 2) We add ZERO pairs without changing the value.
Add 1 shaded and 1 unshaded to tiles. → zero



Sept 3) Now take away 1 positive (shaded) tiles.

$(-5) - (+1) = (-6)$

Your Turn

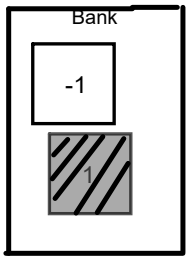
Subtracting Integers using modeling

May need to add zero pairs in order to subtract

(+5) - (+3) = +2

Redraw what is left

=



(-8) - (-4) = -4

=

(-6) - (-5) = -1

= 0

(-4) - (-6) = +2

=

(+2) - (+5) = -3

= 000

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

=

Class/Homework

pg. 69

1 , 2, 3, #4 and 5 if done

model/draw tiles

Test ~~Tuesday~~ Friday Sept. 24

Attachments

gr 7 u2 int adding integers quiz V1 V2.notebook