



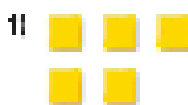
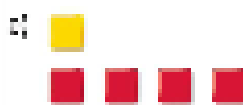
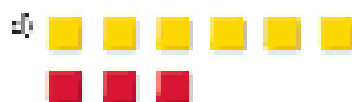
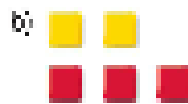
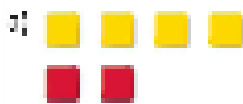
Add	Subtract	Multiply	Divide
<p>plus</p> <p>sum</p> <p>increase</p> <p>up</p> <p>positive</p> <p>earn</p> <p>deposit</p> <p>more</p>	<p>minus</p> <p>difference</p> <p>decrease</p> <p>down</p> <p>negative</p> <p>owe/spend</p> <p>withdraw</p> <p>less</p>	<p>for each</p> <p>for every</p> <p>per</p> <p>/</p> <p>of</p> <p>doubled/tripled</p> <p>times</p> <p>Product</p>	<p>grouped</p> <p>shared</p> <p>quotient</p> <p>half</p> <p>third</p> <p>split</p>

## Homework solutions

Use coloured tiles.

1. What sum does each set of tiles model?

Write the addition equation.



2. What sum does each set of tiles model?

How do you know you are correct?

- a) 3 yellow tiles and 2 red tiles
- b) 3 yellow tiles and 4 red tiles
- c) 2 red tiles and 2 yellow tiles

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

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

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

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

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

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

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

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

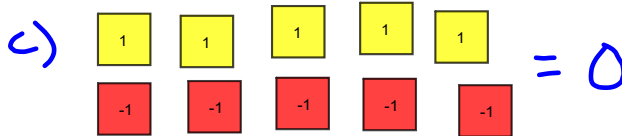
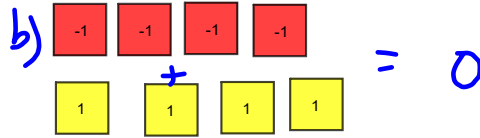
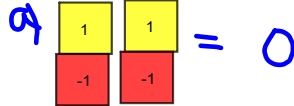
c)  $(-2) + (+2) = 0$

Homework solutions

3. Use coloured tiles to represent each sum. Find each sum.

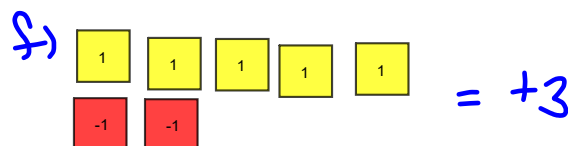
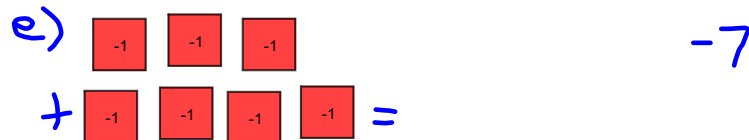
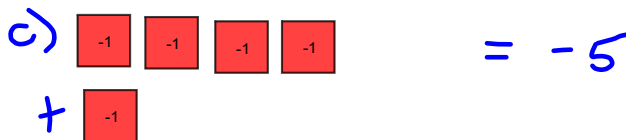
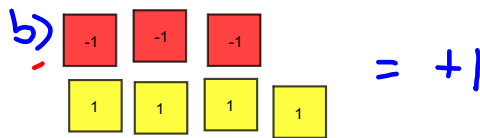
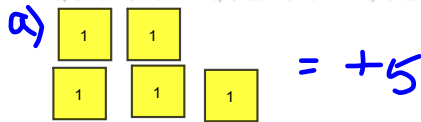
Sketch the tiles you used. What do you notice?

- a)  $(+2) + (-2)$       b)  $(-4) + (+4)$       c)  $(+5) + (-5)$



4. Add. Sketch coloured tiles to show how you did it.

- a)  $(+2) + (+3)$       b)  $(-3) + (+4)$       c)  $(-4) + (-1)$   
 d)  $(+1) + (-1)$       e)  $(-3) + (-4)$       f)  $(+5) + (-2)$



# Homework solutions

5. Add. Write the addition equations.

a)  $(+4) + (+3)$

b)  $(-7) + (+5)$

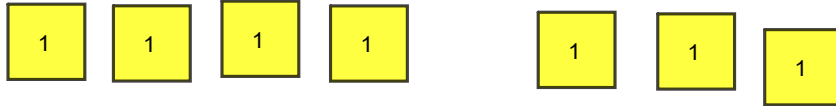
c)  $(-4) + (-5)$

d)  $(+8) + (-1)$

e)  $(-10) + (-6)$

f)  $(+4) + (-13)$

a)  $+4 + (+3) = +7$



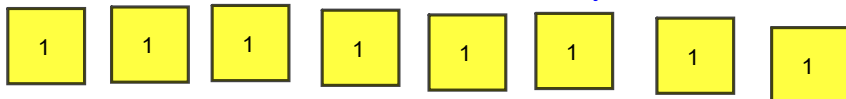
b)  $(-7) + (+5) = -2$



c)  $(-4) + (-5) = -9$



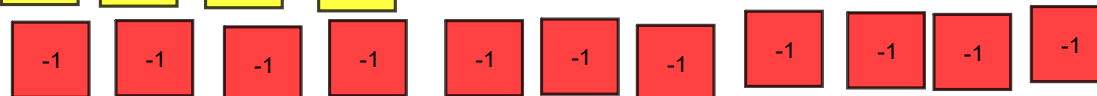
d)  $(+8) + (-1) = +7$



e)  $(-10) + (-6) = -16$



f)  $(+4) + (-13) = -9$



## Homework solutions

6. Represent each sentence with integers, then find each sum.

a) The temperature drops  $3^{\circ}\text{C}$  and rises  $4^{\circ}\text{C}$ .

b) Marie earned  $\$5$  and spent  $\$3$ .

c) A stock rises  $15\text{¢}$ , then falls  $7\text{¢}$ .

d) Jerome moves his game piece 3 squares backward, then 8 squares forward.

e) Duma deposits  $\$12$ , then withdraws  $\$5$ .

Model

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

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

$$c) (+15) + (-7) = +8$$

$$d) (-3) + (+8) = +5$$

$$e) (+12) + (-5) = +7$$

## Homework solutions

8. Copy and complete.

a)  $(+5) + \square = +8$

b)  $\square + (-3) = -4$

c)  $(+3) + \square = +1$

d)  $(-5) + \square = -3$

e)  $(+2) + \square = +1$

f)  $\square + (-6) = 0$

9. **Assessment Focus**

a) Add:  $(+3) + (-7)$

b) Suppose you add the integers in the opposite order:

$(-7) + (+3)$ . Does the sum change?

1

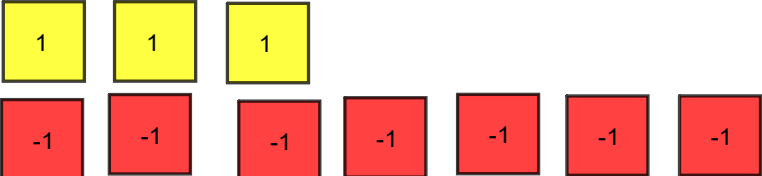
Use coloured tile drawings and words to explain the result.

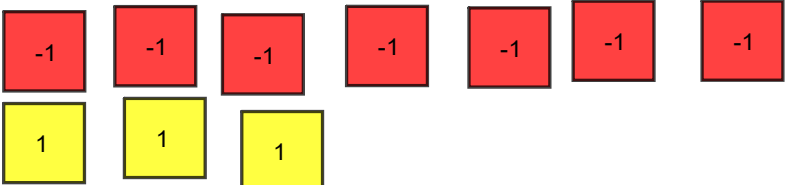
c) How is  $(-3) + (+7)$  different from  $(+3) + (-7)$ ? Explain.

-1

d) Repeat parts a to c with a sum of integers of your choice.

What do you notice?

a)   $= -4$

b)  $(-7) + (+3)$    $= -4$

## Homework solutions

10. **Take It Further** Add. Sketch coloured tiles to show how you did it.

a)  $(+1) + (+2) + (+3)$

b)  $(+2) + (-1) + (+3)$

c)  $(-3) + (-1) + (-1)$

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

$$a) (+1) + (+2) + (+3) = +6$$



$$b) (+2) + (-1) + (+3) = +4$$



$$c) (-3) + (-1) + (-1) = -5$$



$$d) (+4) + (-3) + (+1) = +2$$





# QUIZ

Friday



Similar to warm up

Class/Homework  
Extra Practice Worksheet

Yellow  $\Rightarrow$   $\oplus$  Shaded  
Red  $\Rightarrow$   $\ominus$  unshaded

Extra Practice 1- #1, 2, 3, 4

Extra Practice 2- #1, #2ab



Do this without tiles

## Attachments

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 Gr 7 Math Unit 1\_Ch 2\_ Integers Day 4.5\_ Integers adding Extra Pr 1\_2.pdf