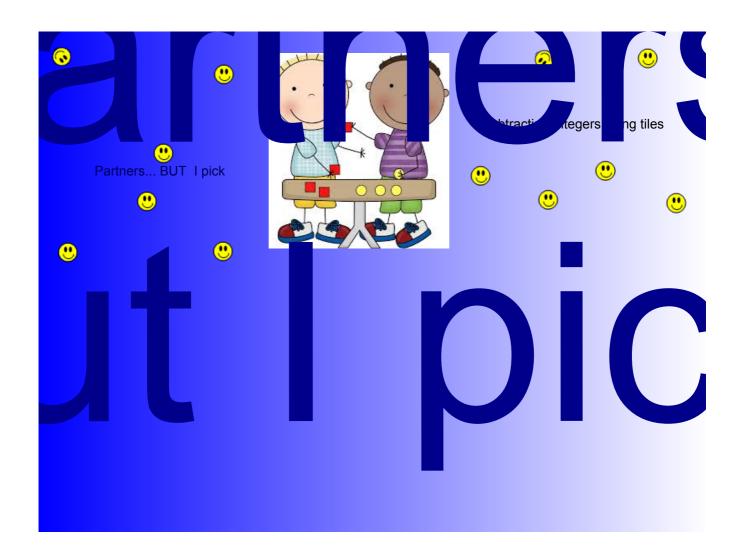
- 1) (+4) + (-9) = -5
- 2) 60 1 = 49
- 3) ½ Of 42-2 |
- 4) 9 000 ÷ 100 = 70
- 5) 50 ÷ 5 = 10
- 6) 14 X 100 = 1400
- 7) 112 X 2 = 224
- 8) 3 X 25 = 75
- 9) What number is divisible by 4? a) 2(4) b) 2(6) c) (18)

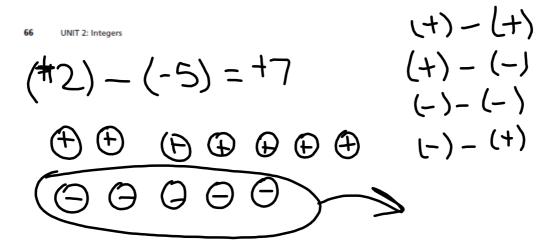
10)275 ÷ 25 = \ \

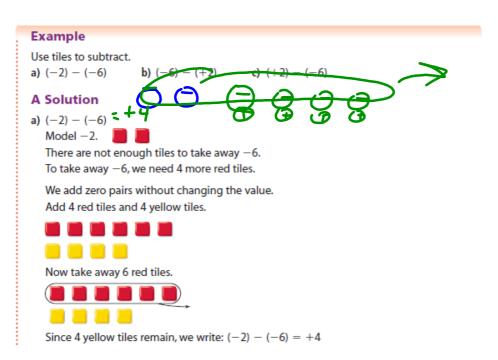


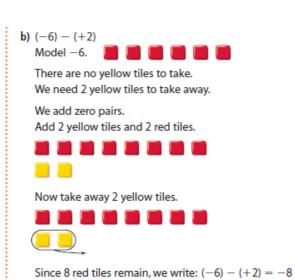


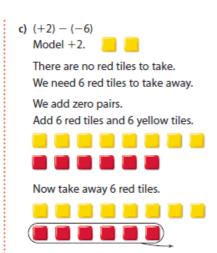
## Connect

To use tiles to subtract integers, we model the first integer, then take away the number of tiles indicated by the second integer.









Since 8 yellow tiles remain, we write: (+2) - (-6) = +8

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

$$+-2 = 2$$

$$2 - 4 =$$

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

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

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

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

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

$$(+2) - (-6) = +8$$
When we reverse the order in which we subtract two integers, the answer is the apposite integer.
$$(-6) - (+2) = -8$$

$$(+2) - (-6) = +8$$
UNIT 2: Integers

## Practice

- 1. Use tiles to subtract. Draw pictures of the tiles you used.
  - a) (+7) (+4)
- **b)** (-2) (-2)
- c) (-9) (-6)

- d) (+4) (+2)
- e) (-8) (-1)
- f) (+3) (+3)

- 2. Use tiles to subtract.
  - a) (-1) (-4)
- **b)** (+3) (+8)
- c) (-4) (-11)

- d) (+7) (+8)
- e) (-4) (-6)
- f) (+1) (+10)

- 3. Subtract.
- a) (-4) (-1)
- **b)** (+8) (+3)
- c) (-11) (-4)

- **d)** (+8) (+7)
- e) (-6) (-4)
- f) (+10) (+1)
- 4. Subtract. Write the subtraction equations.
  - a) (+4) (-7)
- **b**) (-2) (+8)
- c) (-9) (+5)

- **d)** (+6) (-8)
- e) (-3) (+6)
- f) (-5) (+7)

- 5. Subtract.
  - a) (+4) (+5)
- **b)** (-3) (+5)
- c) (-4) (+3)

- **d)** (-1) (-8)
- e) (+8) (-2)
- f) (+4) (-7)



(-4) - (+7) P. 69 B. 1-5

10,14

7. a) Use coloured tiles to subtract each pair of integers.



i) 
$$(+3) - (+1)$$
 and  $(+1) - (+3)$ 

ii) 
$$(-3) - (-2)$$
 and  $(-2) - (-3)$ 

iii) 
$$(+4) - (-3)$$
 and  $(-3) - (+4)$ 

b) What do you notice about each pair of questions in part a?

9. Assessment Focus Use integers.

Write a subtraction question that would give each answer. How many questions can you write each time?

- a) +2
- **b)** −3
- c) +5
- **d)** -6

2.4 Subtracting Integers with Tiles

- 10. Which expression in each pair has the greater value? Explain your reasoning.

a) i) 
$$(+3) - (-1)$$
 ii)  $(-3) - (+1)$ 

b) i) 
$$(-4) - (-5)$$
 ii)  $(+4) - (+5)$ 

ii) 
$$(+4) - (+5)$$

- 11. Take It Further
  - a) Find two integers with a sum of -1 and a difference of +5.
  - b) Create and solve a similar integer question.
- 12. Take It Further Copy and complete.

a) 
$$(+4) - \Box = +3$$

**b)** 
$$(+3) - \Box = -1$$

c) 
$$\Box - (+1) = +4$$

- 14. Take It Further Here is a magic square.
  - a) Subtract +4 from each entry. Is it still a magic square? Why?
  - b) Subtract -1 from each entry. Is it still a magic square? Why?

0	+5	-2
-1	+1	+3
+4	-3	+2