

1) $(-9) + (+2)$

2) $70 - 13$

3) $\frac{1}{2}$ of 24

4) $(-2) - (-4)$

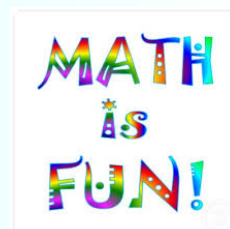
5) $54 \div 9$

6) 8×0.5

7) 131×2

8) What number is divisible by 3? a) 45 b) 204 c) 94

9) What number is divisible by 6? a) 1003 b) 326 c) 324

10) $\frac{1}{3}$ of 9

Math journals:

Please answer the following questions - show your knowledge!

😊 1 - Based on what I have learned in the Integer unit, I can... (explain and give examples to help!)

😊 2 - In class, I really like that...



3 - For the test, I need to practice...

Review:

Page 79, 80, 81

P. 79, 80, 81

gues

↑, 10,
11, 12, 13, 14, 15, 16 (j)

Unit Review

What Do I Need to Know?

✓ Adding Integers

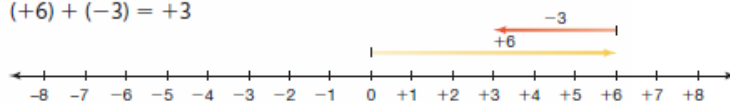
- You can use tiles to add integers.

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




- You can use a number line to add integers.

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



Subtracting Integers

- You can use tiles to subtract integers: $(+3) - (-7)$
We need enough red tiles to take away 7 of them.

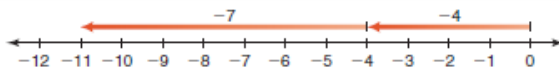
Model +3: 

Since there are not enough tiles to take away -7 , add 7 yellow tiles and 7 red tiles. Now take away 7 red tiles. There are 10 yellow tiles left.



- You can also subtract by adding the opposite:
 $(-5) - (-8) = (-5) + (+8)$
 $= +3$
- You can use a number line to subtract integers.

$(-4) - (+7)$
Add the opposite: $(-4) + (-7)$
Use a number line.
 $(-4) - (+7) = -11$



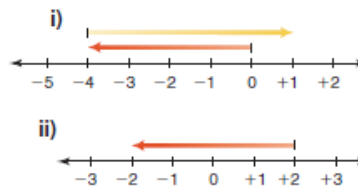
- 2.1** 1. Suppose you have 17 red tiles.
How many yellow tiles would you need to model:
- a) $-12?$ b) $0?$
c) $+20?$ d) $-17?$
- How do you know?

2. Write the integer suggested by each of the following situations.
Draw yellow or red tiles to model each integer.
Explain your choice.
- a) The temperature rises 8°C .
b) The price of 1 L of gas falls 5¢.
c) You deposit \$12 in your bank account.
d) You take 7 steps backward.
e) The time is 9 s before take-off.

- 2.2** 3. What sum does each set of tiles model?
- a) 5 red tiles and 2 yellow tiles
b) 6 yellow tiles and 5 red tiles
c) 6 yellow tiles and 7 red tiles
d) 8 yellow tiles and 8 red tiles
4. Represent each sentence with integers, then find each sum.
- a) The temperature was -6°C , then rose 4°C .
b) Surinder withdrew \$25, then deposited \$13.
c) A stock gained \$15, then lost \$23.
d) A submarine was 250 m below sea level, then ascended 80 m.

5. a) Find 4 pairs of integers that have the sum -5 .
 b) Find 4 pairs of integers that have the sum $+4$.

7. a) Write an addition equation modelled by each number line.
 b) Describe a situation that each number line could represent.



$$0 + (-5) = -5$$

$$(-1) + (-4) = -5$$

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

LESSON

2.3
2.5

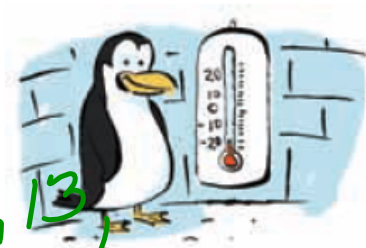
9. Use a number line to add or subtract.

- a) $(-1) + (+3)$ b) $(+6) + (-4)$
 c) $(-4) - (+6)$ d) $(-5) - (-3)$

10. When you add two positive integers, their sum is always a positive integer.
 When you subtract two positive integers, is their difference always a positive integer? Explain.

11. a) What temperature is 7°C warmer than 2°C ?
 b) What temperature is 5°C warmer than -5°C ?
 c) What temperature is 8°C cooler than 2°C ?
 d) What temperature is 4°C cooler than -3°C ?

$(-4) - (-1)$
 $(-4) + (+1)$



g. 9 c, d
 10 - all

11, 12, 13,
 14, 15, 16, 18

2.4 **12.** Use tiles or a number line to subtract.

2.5

Write the subtraction equations.

a) $(+4) - (+1)$ b) $(+5) - (-1)$

c) $(+2) - (-2)$ d) $(-4) - (+1)$

e) $(-6) - (-2)$ f) $(-10) - (-5)$

g) $(-4) - (-2)$ h) $(-5) - (-10)$

13. Subtract.

a) $(+7) - (+2)$ b) $(-7) - (+3)$

c) $(-4) - (-5)$ d) $(+3) - (+3)$

e) $(+3) - (-3)$ f) $(-3) - (-2)$

- 14.** Use tiles or a number line.
Find the difference between:
- a) a temperature of $+5^{\circ}\text{C}$ and -7°C
 - b) an elevation of -100 m and $+50\text{ m}$
- 15.** What is the difference in heights?
How can you subtract to find out?
- a) A water level of 2 m below sea level and a water level of 7 m above sea level
 - b) A balloon 25 m above ground and a balloon 11 m above ground
- 16.** What is the difference in masses?
How can you subtract to find out?
- a) A gain of 9 kg and a loss of 3 kg
 - b) A loss of 6 kg and a loss of 5 kg
- 18.** a) Find 5 pairs of integers with a difference of +6.
b) Find 5 pairs of integers with a difference of -3.

14. Use tiles or a number line.

Find the difference between:

a) a temperature of $+5^{\circ}\text{C}$
and -7°C

b) an elevation of -100 m
and $+50\text{ m}$

15. What is the difference in heights?

How can you subtract to find out?

a) A water level of 2 m below sea
level and a water level of 7 m
above sea level

b) A balloon 25 m above ground
and a balloon 11 m above ground

- 18.** a) Find 5 pairs of integers with a difference of $+6$.
b) Find 5 pairs of integers with a difference of -3 .