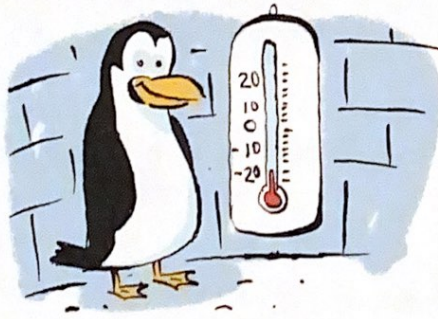


LESSON

- 2.3** **9.** Use a number line to add or subtract.
2.5 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 ?



- 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
- 17.** We measure time in hours.
 Suppose 12 noon is represented by the integer 0 .
 a) Which integer represents 1 p.m. the same day?
 b) Which integer represents 10 a.m. the same day?
 c) Find the difference between these times in 2 ways.
 Show your work.
- 18.** a) Find 5 pairs of integers with a difference of $+6$.
 b) Find 5 pairs of integers with a difference of -3 .