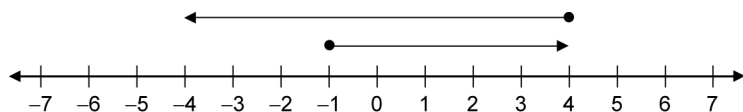


Chapter 9 Test

NO CALCULATORS FOR THIS TEST

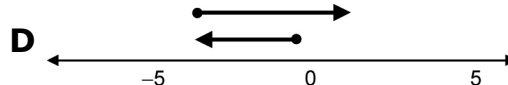
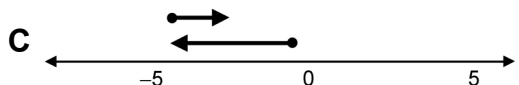
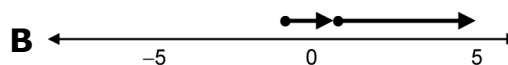
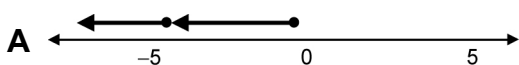
For #1 to #5, select the best answer.

1. Which addition does the diagram represent?

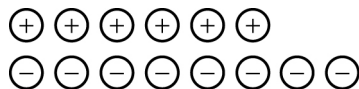


- A** $(-5) + (+8)$ **B** $(+5) + (-8)$ **C** $(-8) + (+5)$ **D** $(+5) + (+8)$

2. Which diagram best represents two negative integers being added together?



3. What is the final value?

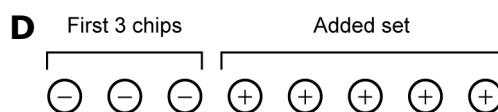
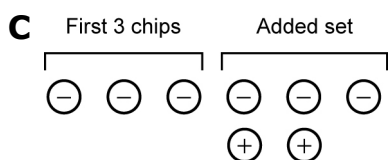
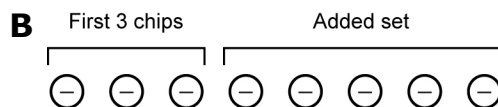
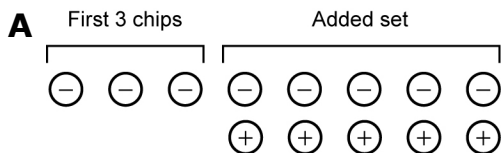


- A** +2 **B** -2 **C** +14 **D** -14

4. Which shows the correct changes to find the answer for $(-7) - (-12)$?

- A** $(+7) + (-12)$ **B** $(-7) + (-12)$ **C** $(-7) + (+12)$ **D** $(+7) - (+12)$

5. Tracey uses integer chips to represent $(-3) - (-5)$. She starts with three negative chips and then adds more chips to prepare for the subtraction. Which one of the following represents this step?



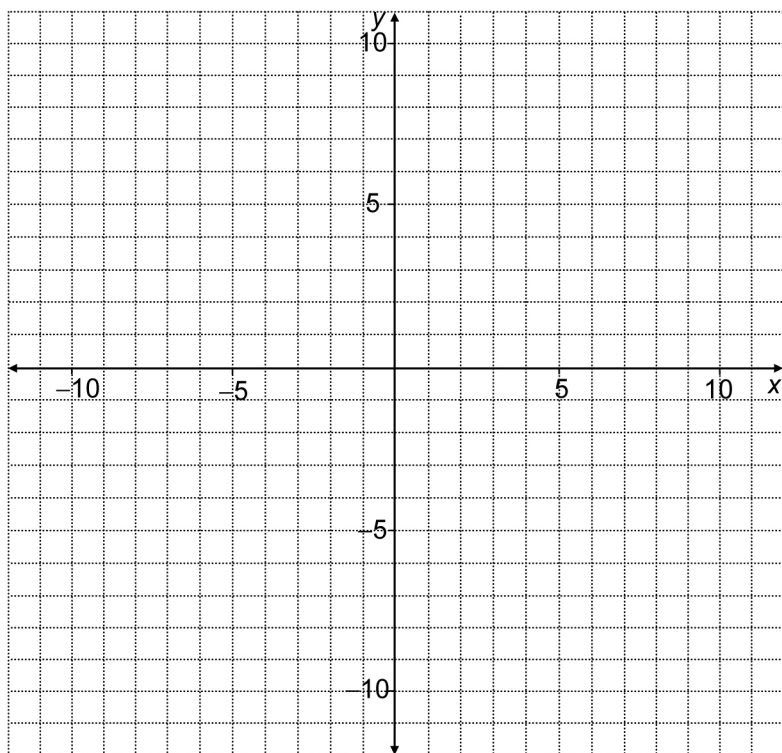
Short Answer

For #6 to #8, use a separate piece of paper.

- 6.** A bird flies above the water at a height of 35 m. A fish swimming directly underneath the bird is 9 m below the surface of the water. Calculate the distance between the bird and the fish. Show all your work.
- 7.** At noon, Jake checked the temperature and found that it was -7°C . By the late afternoon, the temperature had dropped 8°C . What is the temperature in the late afternoon? Show all your work.
- 8.** What is each sum or difference?
- | | |
|--------------------------|---------------------------|
| a) $(-12) + (+7)$ | d) $(-6) + (-9)$ |
| b) $(+5) - (-8)$ | e) $(+8) - (+15)$ |
| c) $(-4) - (+9)$ | f) $(+12) + (-10)$ |

Extended Response

- 9.** Determine the perimeter and area of the figure with vertices at $(-11, +7)$, $(-11, -4)$, $(+6, +7)$, and $(+6, -4)$. Show all of your work.



- 10.** On a piece of paper, make up four different expressions that have (-3) as an answer. Make two addition statements and two subtraction statements.