

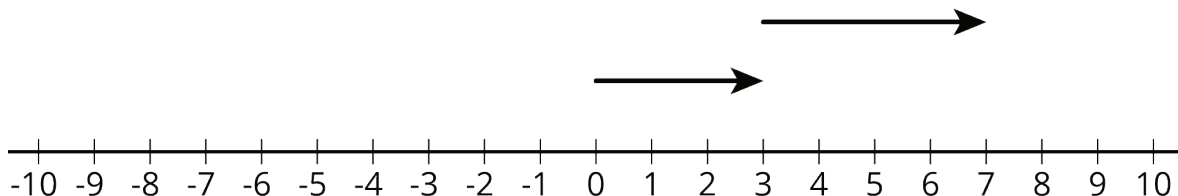
Unit 7 Lesson 6: Changing Temperatures

1 Which One Doesn't Belong: Arrows (Warm up)

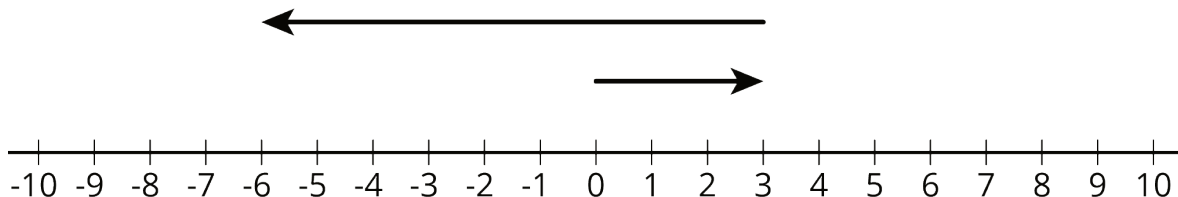
Student Task Statement

Which pair of arrows doesn't belong?

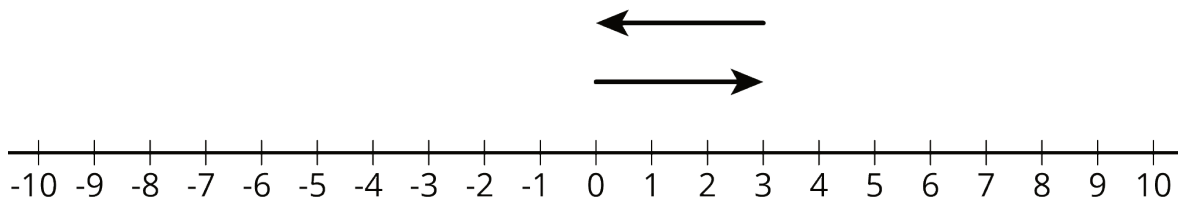
1.



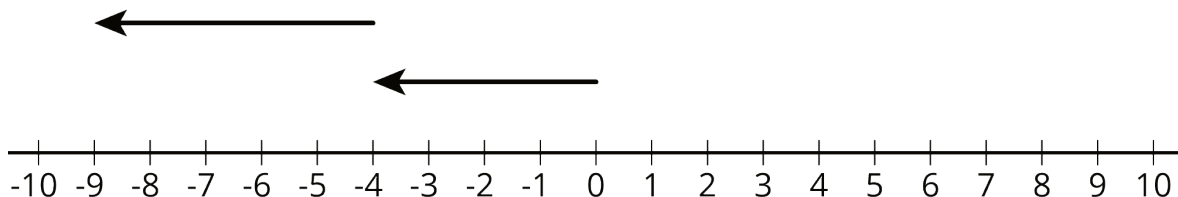
2.



3.

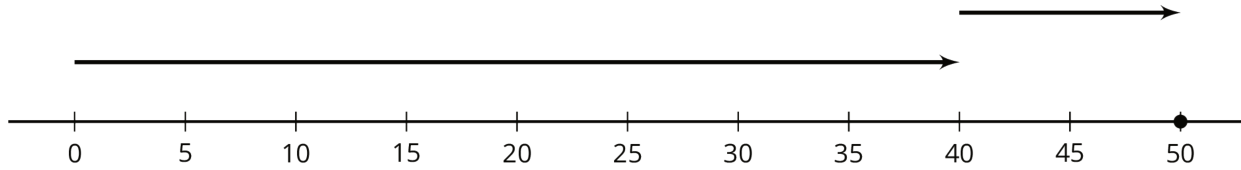


4.



2 Warmer and Colder

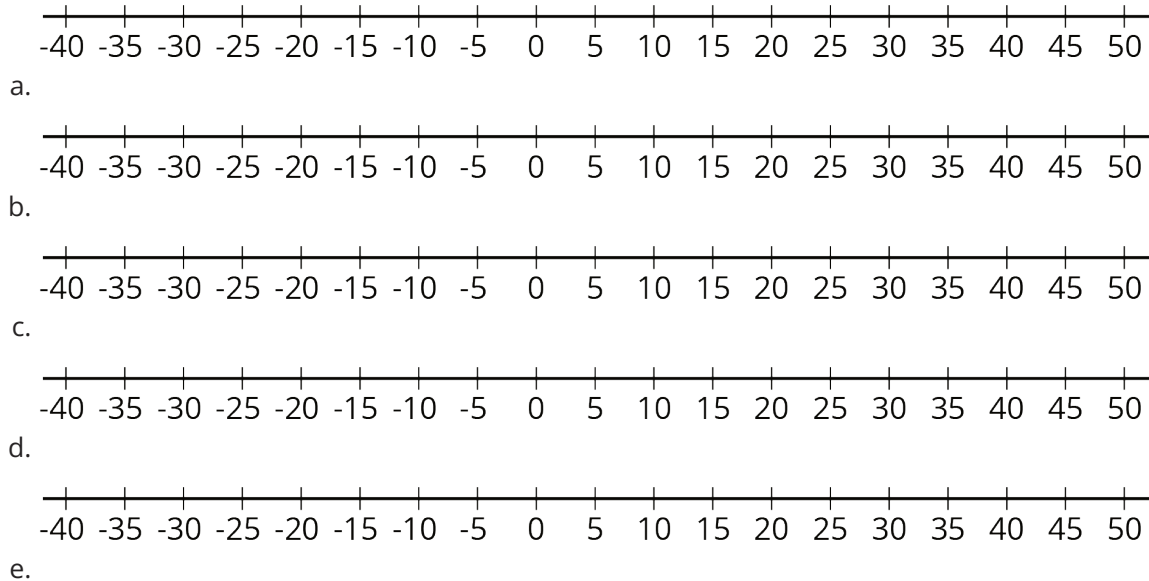
Images for Launch



Student Task Statement

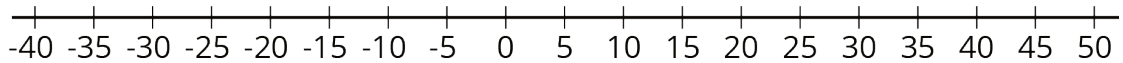
1. Complete the table and draw a number line diagram for each situation.

	start (°C)	change (°C)	final (°C)	addition equation
a	+40	10 degrees warmer	+50	$40 + 10 = 50$
b	+40	5 degrees colder		
c	+40	30 degrees colder		
d	+40	40 degrees colder		
e	+40	50 degrees colder		

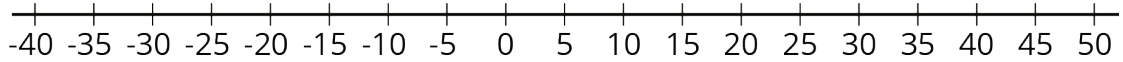


2. Complete the table and draw a number line diagram for each situation.

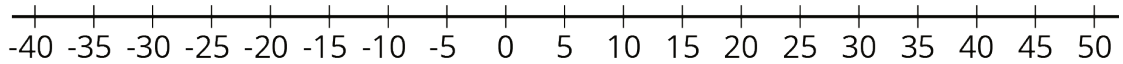
	start (°C)	change (°C)	final (°C)	addition equation
a	-20	30 degrees warmer		
b	-20	35 degrees warmer		
c	-20	15 degrees warmer		
d	-20	15 degrees colder		



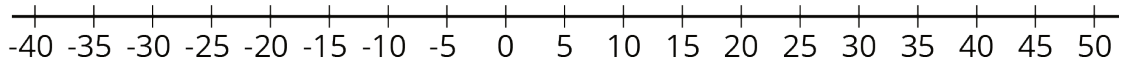
a.



b.



c.



d.

3 Winter Temperatures

Student Task Statement

One winter day, the temperature in Houston is 8° Celsius. Find the temperatures in these other cities. Explain or show your reasoning.

1. In Orlando, it is 10° warmer than it is in Houston.
2. In Salt Lake City, it is 8° colder than it is in Houston.
3. In Minneapolis, it is 20° colder than it is in Houston.
4. In Fairbanks, it is 10° colder than it is in *Minneapolis*.
5. Write an addition equation that represents the relationship between the temperature in Houston and the temperature in Fairbanks.

Activity Synthesis

