What is the rate of change for the data?

Time (hours), x	1	3.5	6	11.5
Temperature (°C), y	22.625	22	21.375	20



Select your answers from the drop-down menus.

The rate of change is 1. $-\frac{1}{4}$ ✓ . The temperature drops by 2. $\frac{1}{4}$ ✓ °C each hour.

1. $-\frac{1}{4}$ ✓

2. $\frac{1}{4}$ ✓

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What is the rate of change for the data? Choose the correct statement.

Time (hours), x	3	4	5	6
Snowfall (cm), y	9	12	15	18



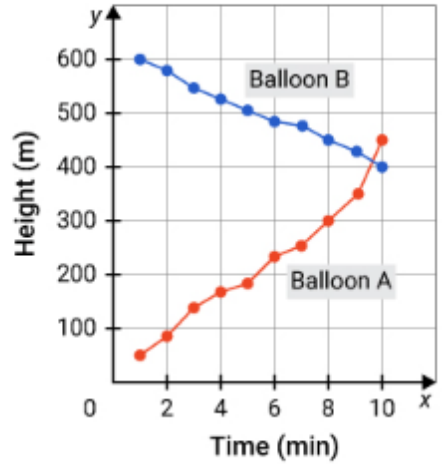
ATTEMPT 1

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- The rate of change is $\frac{1}{3}$. Every hour, $\frac{1}{3}$ centimeter of snow will fall.
- The rate of change is 9. Every hour, 9 centimeters of snow will fall.
- ✓ The rate of change is 3. Every hour, 3 centimeters of snow will fall.
- The rate of change is 1. Every hour, 1 centimeter of snow will fall.

The graph shows the height (in meters) of two hot air balloons above the ground.

Which of the following statements is true?



ATTEMPT 1

- The average rate of change for Balloon A is about −22.2 meters per minute as it descends. The average rate of change for Balloon B is about 44.4 meters per minute as it ascends.
- The average rate of change for Balloon A is about 44.4 meters per minute as it descends. The average rate of change for Balloon B is about 22.2 meters per minute as it descends.

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- The average rate of change for Balloon A is about −44.4 meters per minute as it ascends. The average rate of change for Balloon B is about 22.2 meters per minute as it descends.
- ✓ The average rate of change for Balloon A is about 44.4 meters per minute as it ascends. The average rate of change for Balloon B is about −22.2 meters per minute as it descends.

What is the rate of change for the data?

Number of buses, x	4	5	6	7
Number of students, y	120	150	180	210



Select your answers from the drop-down menus.

The rate of change is 1. 30 ✓ .

Each bus holds 2. 30 ✓ students.

1. 30 ✓

2. 30 ✓

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What is the rate of change for the data?

Time (year), x	3	5	10	12
Value (AED), y	670	584	369	283

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- The rate of change is -43. The value increases by AED 43 each year.
- **The rate of change is -43. The value decreases by AED 43 each year.** ✓
- The rate of change is 43. The value decreases by AED 43 each year.
- The rate of change is 43. The value increases by AED 43 each year.

What is the rate of change for the data? Enter your answers in the spaces provided.



Number of people, x	4	5	6	7
Ticket cost (AED), y	28	35	42	49

The rate of change is 1. 7 ✓.

A ticket costs AED 2. 7 ✓ for each person

1. 7 ✓

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2. 7 ✓