Graphing Independent and Dependent Variables: Axis Choice and Plotting Practice

Original tasks 1, 2 / independent work

Task 1

A plant grows over days. Data: (1, 3), (2, 6), (3, 9), (4, 12), where the first value is days and the second is height in centimeters. Label the axes, state a scale, and plot the points.

Task 2

A taxi fare depends on distance. Data: (2, 8), (4, 16), (6, 24), (8, 32), where the first value is distance in kilometers and the second is fare in dollars. Label the axes, choose a scale, and plot the points.

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Original tasks 3, 4 / independent work

Task 3

A candle burns over hours. Data: (1, 18), (2, 16), (3, 14), (4, 12), where the first value is hours and the second is height in centimeters. Label the axes, state a scale, and plot the points.

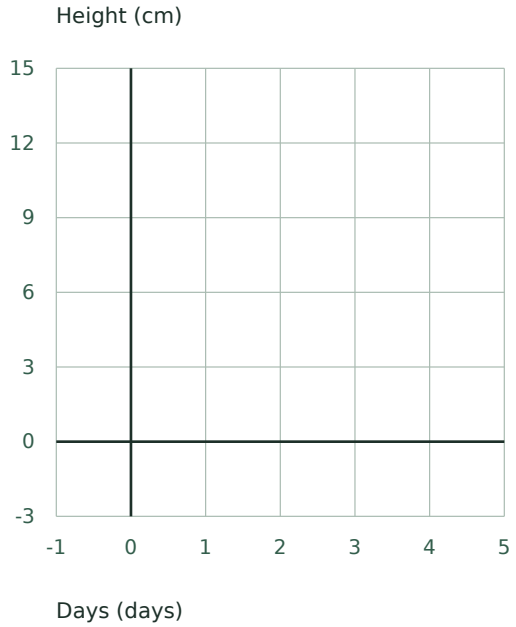
Task 4

A runner's distance depends on time. Data: (5, 10), (10, 20), (15, 30), (20, 40), where the first value is minutes and the second is distance in meters. Label the axes, choose a scale, and plot the points.

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Task 1 / empty coordinate grid

A plant grows over days. Data: (1, 3), (2, 6), (3, 9), (4, 12), where the first value is days and the second is height in centimeters. Label the axes, state a scale, and plot the points.

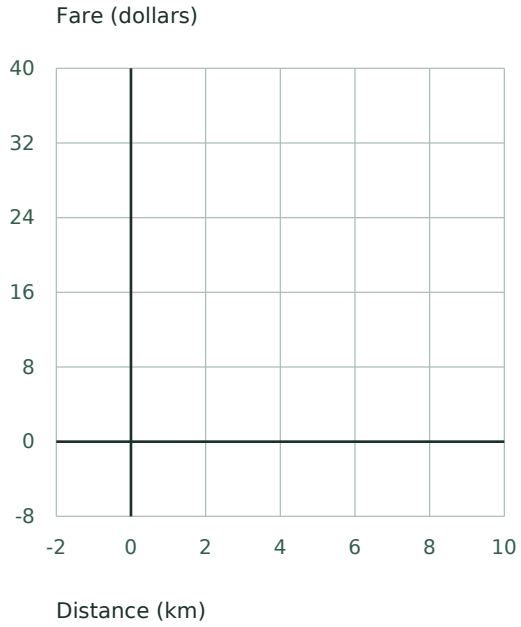


Each horizontal interval = 1; each vertical interval = 3. The axes show a display window, not a newly imposed domain.

Graphing Independent and Dependent Variables: Axis Choice and Plotting Practice

Task 2 / empty coordinate grid

A taxi fare depends on distance. Data: (2, 8), (4, 16), (6, 24), (8, 32), where the first value is distance in kilometers and the second is fare in dollars. Label the axes, choose a scale, and plot the points.

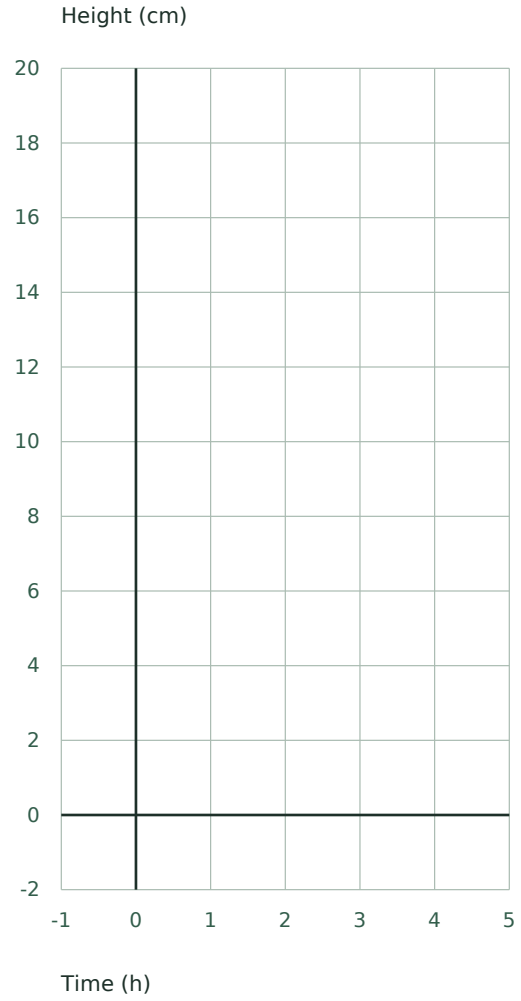


Each horizontal interval = 2; each vertical interval = 8. The axes show a display window, not a newly imposed domain.

Graphing Independent and Dependent Variables: Axis Choice and Plotting Practice

Task 3 / empty coordinate grid

A candle burns over hours. Data: (1, 18), (2, 16), (3, 14), (4, 12), where the first value is hours and the second is height in centimeters. Label the axes, state a scale, and plot the points.

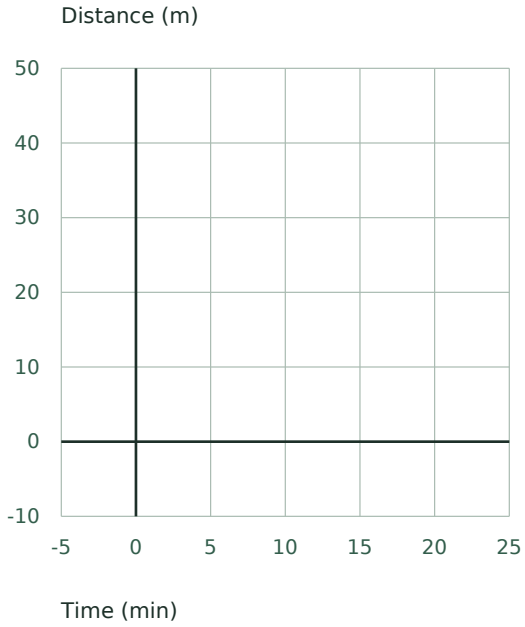


Each horizontal interval = 1; each vertical interval = 2. The axes show a display window, not a newly imposed domain.

Graphing Independent and Dependent Variables: Axis Choice and Plotting Practice

Task 4 / empty coordinate grid

A runner's distance depends on time. Data: (5, 10), (10, 20), (15, 30), (20, 40), where the first value is minutes and the second is distance in meters. Label the axes, choose a scale, and plot the points.



Each horizontal interval = 5; each vertical interval = 10. The axes show a display window, not a newly imposed domain.