Linear Graph Questions for Class 8: Slope, Intercept, and Plotting Practice

Original tasks 1, 2 / independent work

Task 1

A line crosses the vertical axis at 5 and passes through the point (3, 14). Find the slope and write the equation.

Task 2

Plot the line y = negative 2x + 4. State three points you would plot and the direction of the line.

Linear Graph Questions for Class 8: Slope, Intercept, and Plotting Practice

Original tasks 3, 4 / independent work

Task 3

A taxi charges a fixed start fee of 3 dollars plus 2 dollars per kilometer. Sketch a linear graph of cost against kilometers. State the intercept, slope, and one point on the line.

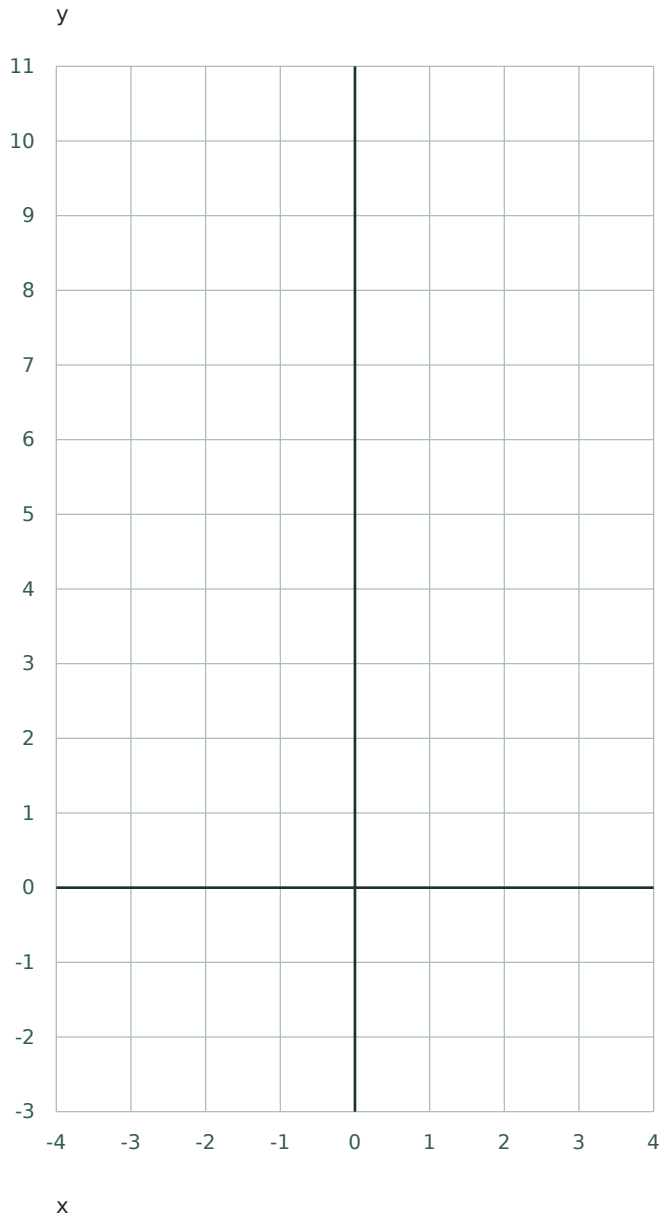
Task 4

A line has slope one half and passes through (0, 1). Find the y value when x = 6, and state a second point on the line.

Linear Graph Questions for Class 8: Slope, Intercept, and Plotting Practice

Task 2 / empty coordinate grid

Plot the line y = negative 2x + 4. State three points you would plot and the direction of the line.

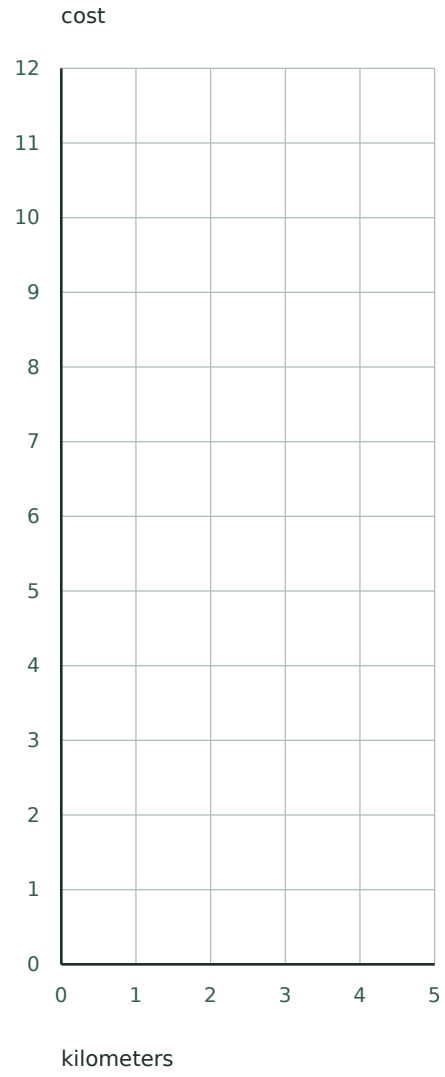


Each horizontal interval = 1; each vertical interval = 1. The axes show a display window, not a newly imposed domain.

Linear Graph Questions for Class 8: Slope, Intercept, and Plotting Practice

Task 3 / empty coordinate grid

A taxi charges a fixed start fee of 3 dollars plus 2 dollars per kilometer. Sketch a linear graph of cost against kilometers. State the intercept, slope, and one point on the line.



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