Information about four different linear relationships is given below.

Equation:

Description:

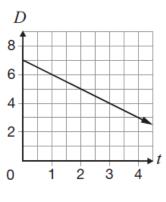
$$K = 2n + 7$$

The total cost to print T-shirts is made up of a set-up fee of \$65 and a cost of \$7 per T-shirt.

Table:

h T 0 10 1 17 2 24

Graph:



Which two of these linear relationships have a rate of change of 7?

- a "Table" and "Graph"
- b "Table" and "Description"
- c "Equation" and "Graph"
- d "Equation" and "Description"
- What is the value of -5 (-3)?
- **a** −8
- **b** -2
- **c** 2
- **d** 8

- 3 Jake and Minh buy food for a fundraiser.
 - One case of 24 hamburgers costs \$37.
 - One case of 12 drinks costs \$9.

How much will the food for 72 meals cost if each meal is made up of 1 hamburger and 1 drink?

The equation C = 45 + 3d represents the relationship between total cost, C, in dollars, and the number of days, d.

Which of the following is true about this relationship?

- a The total cost is \$48 per day.
- **b** The total cost is \$45 for 3 days.
- c The total cost is made up of a \$45 fixed fee and \$3 per day.
- d The total cost is made up of a \$3 fixed fee and \$45 per day.