

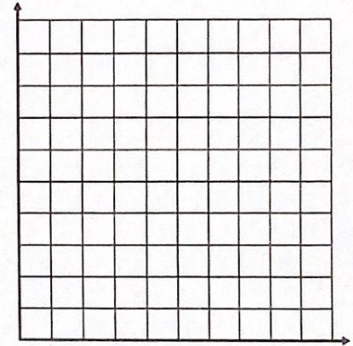
PROPORTIONAL RELATIONSHIPS: GRAPHS



Use your understanding of proportional relationships to answer the questions below.

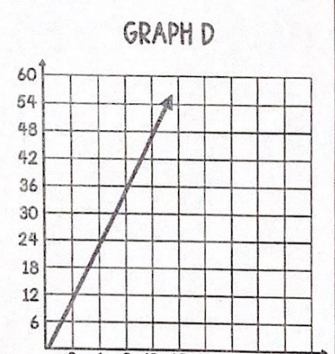
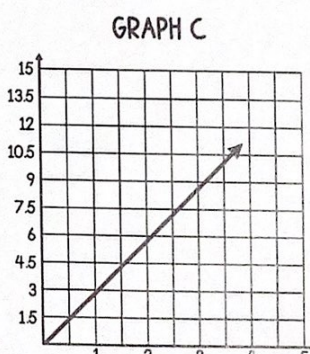
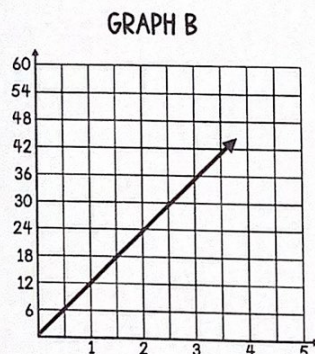
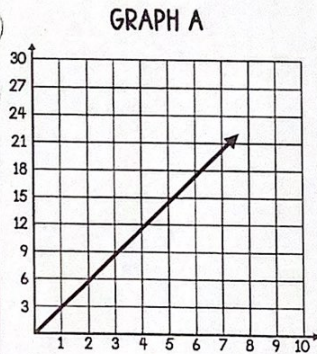
DeMarcus is organizing a group of friends to attend a concert. The ticket pricing is shown in the table below. Use the information to create a graph and answer the questions.

# OF TICKETS	2	3	5	7
TOTAL COST (\$)	32	48	80	112



- Rate of Change: _____ Equation: _____
- What does the ordered pair (1, 16) represent in this situation?
- Describe how you know that this is a proportional relationship:

4. The number of feet in a yard can be represented by a graph. Circle the graph(s) that could be used to represent the number of feet, y , in x yards.



A dog kennel charges a daily boarding rate as shown on the graph. Use the information to mark 5-8 as true or false. If false, rewrite the statement correctly.

- _____ 5. The dog kennel charges \$60 per day.
- _____ 6. The equation $y = 30x$ can represent the graph.
- _____ 7. It costs \$200 to board a dog for 7 days.
- _____ 8. The graph will contain the coordinate (9, 270).

