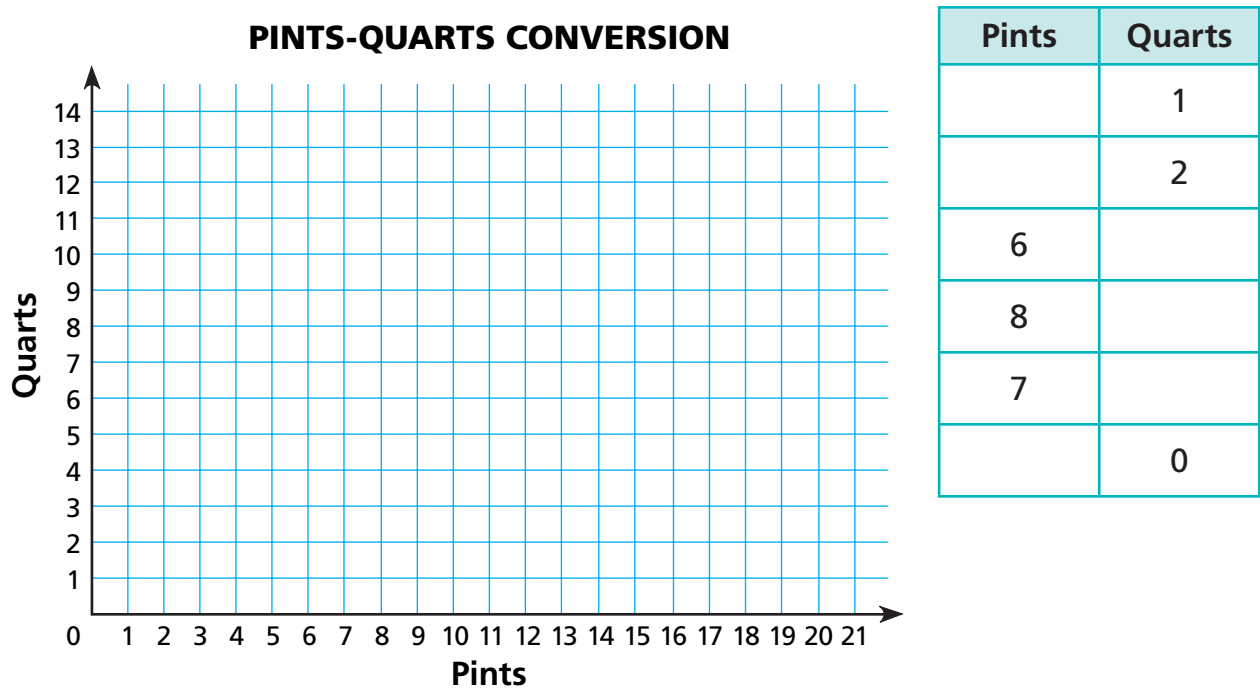


Graphing Capacity Conversions

NCTM Standards 2, 3, 4, 5, 6, 7, 8, 9, 10

- 1 Complete the table and make a conversion graph.

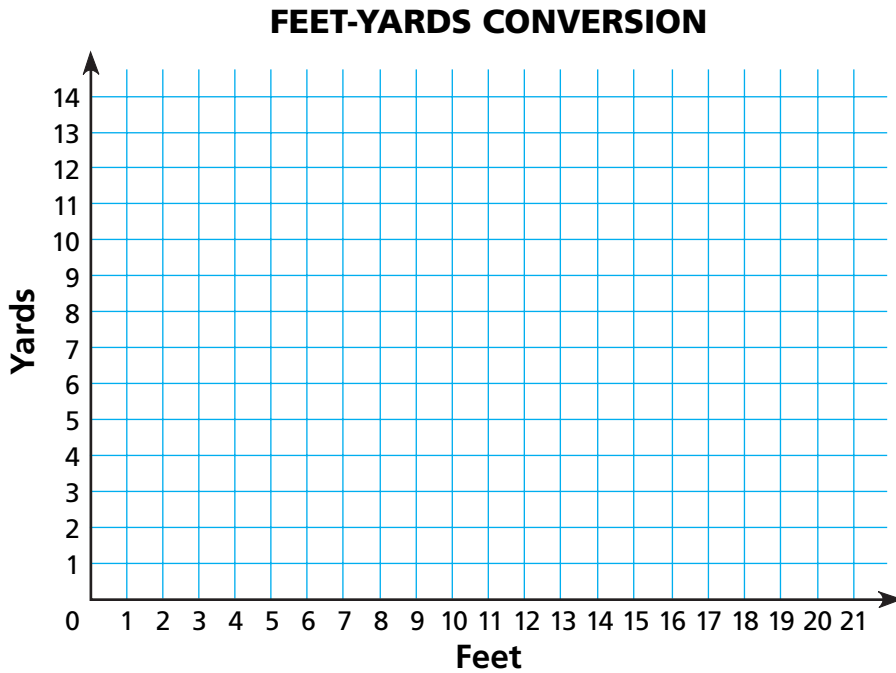


- 2 Describe any patterns you notice about the points you graphed. Can you find a rule to describe this conversion?



- 3 Explain how someone could use the graph to figure out how many pints are in 5 quarts.

- 4 Fill in the table and make a graph showing the conversion between feet and yards.



Feet	Yards
3	
	2
0	
	3
1	
4	

Kendra is building sets for the school play.

- 5 One piece of scenery requires a frame made of 2 pieces of wood that are each 6 feet long and 2 pieces of wood that are each 3 feet long. The wood comes in pieces that are 1 yard long. How many pieces does Kendra need? _____ pieces
- 6 The backdrop curtain needs to be 24 feet long and 6 feet high. How many yards of 6-foot-wide cloth does Kendra need? _____ yards
- 7 Kendra has a piece of trim 3 yards long. How many 1-foot pieces can she cut from it? _____ pieces

8 Challenge Kendra cut seven 1-foot lengths of rope from a single piece. How many yards of rope did she use? _____ yards