

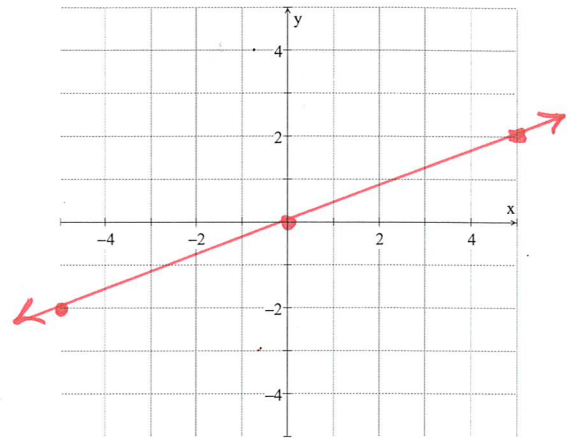
Space Race Consolidation  
**GRAPHING PROPORTIONAL  
 RELATIONSHIPS**

$$y = kx$$

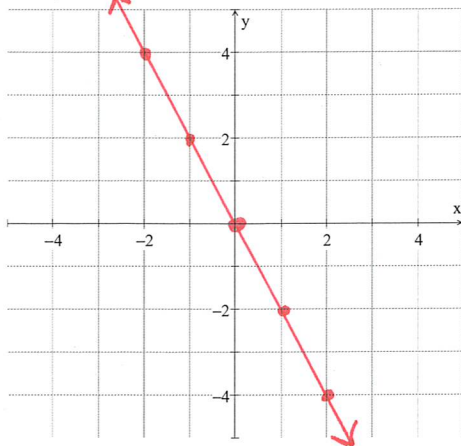


CONSTANT OF  
 PROPORTIONALITY  
 (SLOPE)

$$y = \frac{2}{5}x \quad \frac{2}{5} = \frac{\text{RISE}}{\text{RUN}} = \frac{-2}{-5}$$



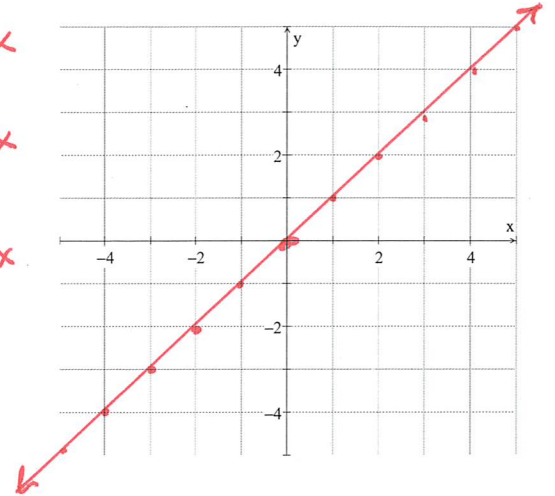
$$y = -\frac{2}{1}x \quad -\frac{2}{1} = \frac{\text{RISE}}{\text{RUN}}$$



$$y = x$$

$$y = 1x$$

$$y = \frac{1}{1}x$$



A pound of fudge costs three different prices at three different candy stores. The representations below show the cost,  $y$ , based on the number of pounds of candy,  $x$ , at the three stores. For each representation, identify and interpret the slope.

UNIT RATE  
 STORE C

STORE A

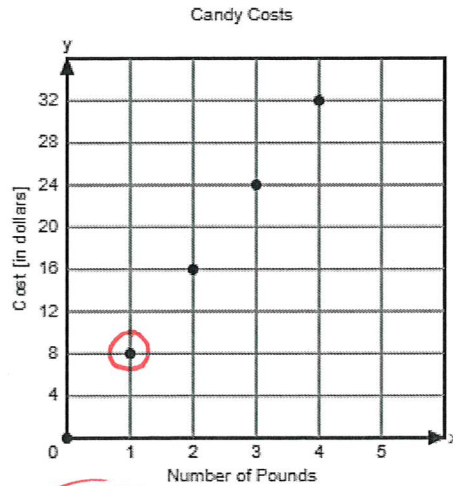
STORE B

$$y = 16x$$

$$\frac{16}{16}$$

Pounds (x)	Cost (y)
1	11
2	22
3	33
4	44

$$\frac{11}{16}$$



WHO HAS THE  
 BEST DEAL?

$$\frac{8}{16}$$