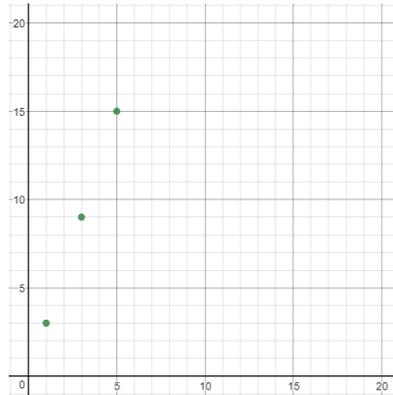


2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

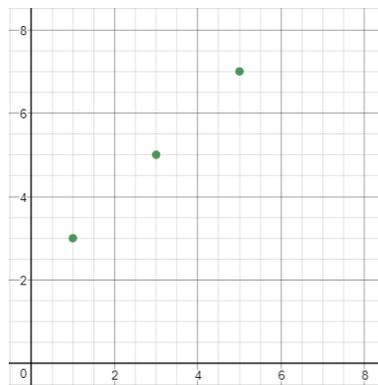
6.12c

1. Given:



Determine whether a proportional relationship exists, and explain why.

2. Given:



Determine whether a proportional relationship exists, and explain why.

3. Sarah is shopping for school supplies and sees signs that have the following descriptions:
- Erasers 2 for \$1 or 10 for \$4
 - Pencils \$0.25 each

Does the number of erasers purchased and the cost of the erasers represent a proportional relationship? Explain why or why not.

Does the number of pencils purchased and the cost of the pencils represent a proportional relationship? Explain why or why not.

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4. Jose is mixing paint for an art project. He uses $\frac{1}{2}$ cup of yellow paint for every cup of blue paint. Does Jose's paint mix represent a proportional relationship? Explain.
5. Which set of ordered pairs represents a proportional relationship?
- A. (3,15), (5,17), (9,21)
 - B. (3,15), (5,25), (9,45)
 - C. (3,15), (5,23), (9,39)
 - D. (3,15), (5,27), (9,51)
6. Which table represents a proportional relationship?

A.

x	y
1	5
2	6
3	7

B.

x	y
1	3
2	6
3	9

C.

x	y
0	3
3	6
6	9

D.

x	y
0	5
3	7
6	9