

## Proportional Relationship Card Sort

in make connections between different representations the same proportional relationships.

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**Rule** (equation)

$$y = kx$$

constant rate of proportionality  
(the # it increases/decreases by)

**EX**

$y = 2x$

x	y
0	0
1	2
2	4
3	6
20	40

Annotations: An arrow labeled "x2" points from x=1 to x=2. An arrow labeled "y+2" points from y=2 to y=4. A circled "+2" is next to y=2, and another "+2" is next to y=4.

In a proportional relationship, we only multiply.

No adding/subtracting in the equation (wouldn't start at zero)

## card sort

### Graphs

Proportional	nonproportional
h f b	d g c
e a	

### rules

Proportional	nonproportional <del>rules</del>
K N L S	Q P
M O R	

### Tables

Proportional	nonproportional
D	

### PAIRS

\* start matching the  
tables, rules and graphs  
that are proportional - together