

Corrective Assignment

In each table, determine if y is proportional to x . Explain why or why not.

1.

x	y
9	6
12	8
6	4
18	12

2.

x	y
7	21
3	9
8	26

3.

x	4	8	12
y	16	32	48

Use the tables to answer the following.

4.

Melon (pounds)	Cost (dollars)
2	5.50
3	8.25
8	30

Is the cost proportional to the amount of melon?
Why or why not?

5.

Tea (ounces)	8	4	14
Price (dollars)	6	2	10

Is the price proportional to the amount of tea?
Why or why not?

Fill in the tables below.

6. A plant grows 6 cm every 2 days.

Time (days)	Height (cm)
1	
2	
3	
4	
5	

7. Job pays \$38 for 4 hours of work.

Time (hours)	Money (dollars)
1	
2	
3	
4	
5	

8. y is proportional to x

x	y
	9
4	12
9	
7	21

9. y is proportional to x

x	y
18	9
	12
6	
10	5

ANSWERS TO 1.2 CORRECTIVE ASSIGNMENT

<p>1. YES</p> $k = \frac{2}{3} \text{ or } 0.\bar{6}$ $\frac{6}{9} = \frac{8}{12} = \frac{4}{6} = \frac{12}{18}$	<p>2. NO</p> <p style="text-align: center;">Not the same!</p> $\frac{21}{7} = \frac{9}{3} = 3 \text{ but } \frac{26}{8} = 3.25$	<p>3. YES</p> $k = 4$ $\frac{16}{4} = \frac{32}{8} = \frac{48}{12}$																																
<p>4. YES</p> $k = 2.75$ $\frac{5.50}{2} = \frac{8.25}{3} = \frac{30}{8}$	<p>5. NO</p> <p style="text-align: center;">Not the same!</p> $\frac{6}{9} = 0.75 \text{ but } \frac{2}{4} = 0.5$ $\text{but } \frac{10}{14} = 0.71$	<p>6.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #cccccc;"> <th style="padding: 5px;">Time (days)</th> <th style="padding: 5px;">Height (cm)</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">1</td><td style="padding: 5px;">3</td></tr> <tr><td style="padding: 5px;">2</td><td style="padding: 5px;">6</td></tr> <tr><td style="padding: 5px;">3</td><td style="padding: 5px;">9</td></tr> <tr><td style="padding: 5px;">4</td><td style="padding: 5px;">12</td></tr> <tr><td style="padding: 5px;">5</td><td style="padding: 5px;">15</td></tr> </tbody> </table>	Time (days)	Height (cm)	1	3	2	6	3	9	4	12	5	15																				
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