

Name:

Answers!

Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Note: All tables below set forth proportional relationships or other linear relationships!

Question 01

x	0	5	20	100
y	0	10	40	200

Handwritten annotations: +5, +15, +80 above the x row; +10, +30, +160 above the y row. The value 0 in the first column of the x row is circled in red.

Does the table show a proportional relationship? Circle one → Yes No

What is the slope?

$$\frac{\text{change in } y}{\text{change in } x} \quad \frac{10}{5} = 2 \quad \frac{30}{15} = 2 \quad \frac{160}{80} = 2$$

Question 02

x	0	2	6	10
y	6	16	36	56

Handwritten annotations: +2, +4, +4 above the x row; +10, +20, +20 above the y row. The value 0 in the first column of the x row and 6 in the first column of the y row are circled in red.

Does the table show a proportional relationship? Circle one → Yes No

What is the slope?

$$\frac{\text{change in } y}{\text{change in } x} \quad \frac{10}{2} = 5 \quad \frac{20}{4} = 5$$

Question 03

x	0	2	5	8
y	10	22	40	58

Handwritten annotations: +2, +3, +3 above the x row; +12, +18, +18 above the y row. The value 0 in the first column of the x row and 10 in the first column of the y row are circled in red.

Does the table show a proportional relationship? Circle one → Yes No

What is the slope?

$$\frac{\text{change in } y}{\text{change in } x} \quad \frac{12}{2} = 6 \quad \frac{18}{3} = 6$$

Question 04

x	0	14	18	44
y	0	7	9	22

Handwritten annotations: +14, +4, +26 above the x row; +7, +2, +13 below the y row. The value 0 in the first column is circled in red.

Does the table show a proportional relationship? Circle one → Yes No

What is the slope?

$$\frac{\text{change in } y}{\text{change in } x} \quad \frac{7}{14} = 0.5 \quad \frac{9}{18} = 0.5 \quad \frac{22}{44} = 0.5$$

Question 05

x	0	3	6	9
y	2	14	26	38

Handwritten annotations: +3, +3, +3 above the x row; +12, +12, +12 below the y row. The value 0 in the first column is circled in red.

Does the table show a proportional relationship? Circle one → Yes No

What is the slope?

$$\frac{\text{change in } y}{\text{change in } x} \quad \frac{12}{3} = 4$$

Question 06

x	0	5	10	15
y	5	20	35	50

Handwritten annotations: +5, +5, +5 above the x row; +15, +15, +15 below the y row. The value 0 in the first column is circled in red.

Does the table show a proportional relationship? Circle one → Yes No

What is the slope?

$$\frac{\text{change in } y}{\text{change in } x} \quad \frac{15}{5} = 3$$