Identify Proportional Relationships From Tables

Two variables have a **proportional relationship** if all the ratios between them are equivalent.

Find the ratios to determine whether each table represents a proportional relationship. Then circle yes or no for each table. The first ratio has been written for you.

x	y	Ratio of y to x
2	8	$\frac{8}{2} = 4$
5	20	
8	32	
12	48	

Does this table show a proportional relationship?

Yes No

a	b	Ratio of b to a
3	8	
4	10	
5	12	
6	14	

Does this table show a proportional relationship?

Yes No

q	r	Ratio of r to q
10	5	
16	8	
20	9	
26	13	

Does this table show a proportional relationship?

Yes No

c	d	Ratio of d to c
6	90	
5	75	
3	45	
2	30	

Does this table show a proportional relationship?

Yes No

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Keep going! Determine whether each table represents a proportional relationship, and explain how you know.

m	*n*
10	15
12	20
16	24
21	35

Does this table show a proportional relationship?

Explain how you know. _____

_____

_____

_____

e	*f*
24	18
48	36
56	42
84	63

Does this table show a proportional relationship?

Explain how you know. _____

_____

_____

_____

j	*k*
2	21
3	32
4	43
5	54

Does this table show a proportional relationship?

Explain how you know. _____

_____

_____

_____

g	*h*
60	24
70	28
80	32
90	36

Does this table show a proportional relationship?

Explain how you know. _____

_____

_____

_____