Ratio Tables

Equivalent ratios are ratios whose different quantities have the same **proportional** relationship. They are treated the same way as equivalent fractions.

Ratio tables contain numbers in proportional relationships. To fill in missing data, simplify or expand a known ratio to find values that produce equivalent ratios.

example:

chairs	pillows
2	4
3	6
4	p

The known ratios 2:4 and 3:6 simplify to 1:2; they show a proportional relationship of 1 chair for every 2 pillows. The missing value must make a ratio equivalent to 1:2.

 $\frac{1}{2} = \frac{4}{p}$ p = 8 The missing value is 8.



d. simplified ratio: _____ tablet(s) : _____ laptop(s)

tablets	10	15	20	25	30
laptops			16		

ANSWER KEY

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