

Factors Worksheets

1. Explain your thinking or use division to answer the following.

| | |
|-------------------------|-------------------------|
| a. Is 2 a factor of 84? | b. Is 2 a factor of 83? |
| c. Is 3 a factor of 84? | d. Is 2 a factor of 92? |
| e. Is 6 a factor of 84? | f. Is 4 a factor of 92? |
| g. Is 5 a factor of 84? | h. Is 8 a factor of 92? |

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1. Explain your thinking or use division to answer the following.

| | |
|---|---|
| <p>a. Is 2 a factor of 84?</p> <p>Yes. 84 is an even number. 2 is a factor of every even number.</p> | <p>b. Is 2 a factor of 83?</p> <p>No. 83 is an odd number. 2 is not a factor of odd numbers.</p> |
| <p>c. Is 3 a factor of 84?</p> <p>Yes.</p> $\begin{array}{r} 28 \\ 3 \overline{)84} \\ \underline{-6} \\ 24 \\ \underline{-24} \\ 0 \end{array}$ | <p>d. Is 2 a factor of 92?</p> <p>Yes. 92 is an even number.</p> |
| <p>e. Is 6 a factor of 84?</p> <p>Yes.</p> $\begin{array}{r} 14 \\ 6 \overline{)84} \\ \underline{-6} \\ 24 \\ \underline{-24} \\ 0 \end{array}$ | <p>f. Is 4 a factor of 92?</p> <p>Yes.</p> $\begin{array}{r} 23 \\ 4 \overline{)92} \\ \underline{-8} \\ 12 \\ \underline{-12} \\ 0 \end{array}$ |
| <p>g. Is 5 a factor of 84?</p> <p>No. 84 does not have a 5 or 0 in the ones place. All numbers that have 5 as a factor have a 5 or 0 in the ones place.</p> | <p>h. Is 8 a factor of 92?</p> <p>No.</p> $\begin{array}{r} 11 \text{ R}4 \\ 8 \overline{)92} \\ \underline{-8} \\ 12 \\ \underline{-8} \\ 4 \end{array}$ |