

## Divisibility Rules

A number is divisible by:

- 2 if it is even.  
even: 0, 2, 4, 6, 8

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- 3 if the sum of the digits is a multiple of 3.  
 $4+2+3=9$

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- 4 if it is even and if it can be divided by 2 twice.  
 $128 \div 2 = 64 \div 2 = 32$

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- 5 if it ends in a 5 or 0.

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- 6 if it is divisible by both 2 and 3.  
 $2+2=6$

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- 9 if the sum of the digits is a multiple of 9.  
 $9+2+4+3=18$

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- 10 if it ends with a zero.

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