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## Divisibility Rules - 4, 5, 8, 10


### Divisibility Rule for 8

A number is divisible by 8 if  
the last three digits are divisible by 8.

$$\frac{1600}{2} = 800$$
$$\frac{800}{2} = 400$$
$$\frac{400}{2} = 200$$

1516   1035   1600





- 1 Calculate in which cases numbers are divisible by 2.
- 2 Decide which number is divisible by 4.
- 3 Find the correct statements for divisibility rules for 4, 5, 8, and 10.
- 4 Explain why the numbers are divisible using the rules for divisibility.
- 5 Determine if the numbers are divisible by 4 or 5.
- 6 Find the numbers that are divisible by 8.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



## Calculate in which cases numbers are divisible by 2.

Choose the correct statements.

- Only whole numbers are divisible by 2. **A**
- Only odd numbers are divisible by 2. **B**
- Every even number is divisible by 2. **C**
- Any number ending in 5 or 0 is divisible by 2. **D**
- 14 is divisible by 2. **E**
- 15 is divisible by 2. **F**



## Hints for solving these problems

1  
of 6

### Calculate in which cases numbers are divisible by 2.

#### Hint #1

If a number is divided by 2 and doesn't have a remainder it also means it's evenly divisible or divisible by 2.

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#### Hint #2

Write down the multiples of 2.

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#### Hint #3

The last digit of any number divisible by 2 is 0, 2, 4, 6 or 8.

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## Answers and detailed answer explanations for these problems

1  
of 6

### Calculate in which cases numbers are divisible by 2.

**Answer key:** C, E

The multiples of 2 are:

2, 4, 6, 8, ..., 12, 14, 16, ..., 102, 104, ...

- Each of those numbers is even.
- Or, in other words the last digit is divisible by 2.
- Or, each number ends with 0, 2, 4, 6 or 8.