

Name: \_\_\_\_\_

## Divisibility Rules

### A number is divisible by...

2	if the digit in the ones place is an even number or 0.
3	if the sum of all the digits in the number is divisible by 3.
4	if the last two digits in the number are divisible by 4.
5	if the digit in the ones place is 0 or 5.
6	if the number is divisible by both 2 and 3.
8	if the last 3 digits in the number are divisible by 8.
9	if the sum of all the digits in the number is divisible by 9.
10	if the digit in the ones place is 0.



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Tell whether each number is **divisible by 3**.

a. 243 \_\_\_\_\_

b. 588 \_\_\_\_\_

c. 620 \_\_\_\_\_

d. 2,534 \_\_\_\_\_

e. 4,296 \_\_\_\_\_

f. 2,305 \_\_\_\_\_

Tell whether each number is **divisible by 4**.

a. 243 \_\_\_\_\_

b. 588 \_\_\_\_\_

c. 620 \_\_\_\_\_

d. 2,534 \_\_\_\_\_

e. 4,296 \_\_\_\_\_

f. 2,305 \_\_\_\_\_

# Divisibility Rules

Tell whether each number is **divisible by 5**.

a. 243 \_\_\_\_\_ b. 588 \_\_\_\_\_ c. 620 \_\_\_\_\_

d. 2,534 \_\_\_\_\_ e. 4,296 \_\_\_\_\_ f. 2,305 \_\_\_\_\_

Tell whether each number is **divisible by 6**.

a. 243 \_\_\_\_\_ b. 588 \_\_\_\_\_ c. 620 \_\_\_\_\_

d. 2,534 \_\_\_\_\_ e. 4,296 \_\_\_\_\_ f. 2,305 \_\_\_\_\_



Tell whether each number is **divisible by 9**.

a. 243 \_\_\_\_\_ b. 588 \_\_\_\_\_ c. 620 \_\_\_\_\_

d. 2,534 \_\_\_\_\_ e. 4,296 \_\_\_\_\_ f. 2,305 \_\_\_\_\_

Tell whether each number is **divisible by 10**.

a. 243 \_\_\_\_\_ b. 588 \_\_\_\_\_ c. 620 \_\_\_\_\_

d. 2,534 \_\_\_\_\_ e. 4,296 \_\_\_\_\_ f. 2,305 \_\_\_\_\_

# ANSWER KEY

## Divisibility Rules

A number is divisible by...

- |   |   |
|---|---|
| 2 | if the digit in the ones place is an even number or 0.        |
| 3 | if the sum of all the digits in the number is divisible by 3. |

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- a. 243    no                      b. 588    yes                      c. 620    yes
- d. 2,534    no                      e. 4,296    yes                      f. 2,305    no

# ANSWER KEY

## Divisibility Rules

Tell whether each number is **divisible by 5**.

a. 243 no

b. 588 no

c. 620 yes

# Preview

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the printable version of this worksheet.



a. 243 no

b. 588 no

c. 620 yes

d. 2,534 no

e. 4,296 no

f. 2,305 no