

The Divisibility Rule For NINE Worksheet

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How can you tell if a number is divisible by nine?

Add up the digits to see if they add up to a **multiple of nine**.

Example: Adding up the digits in 252 gives a sum of 9 ($2 + 5 + 2 = 9$).
Fifteen is a multiple of nine, so 276 is divisible by nine.

Example: Adding up the digits in 477 gives a sum of 18 ($4 + 7 + 7 = 18$).
Eighteen is a multiple of nine, so 477 is divisible by nine.

Example: Adding up the digits in 581 gives a sum of 14 ($5 + 8 + 1 = 14$).
Fourteen is *not* a multiple of nine, so 581 is *not* divisible by nine.

Practice Problems: Circle YES if the number is divisible by nine and NO if it is not divisible by nine.

1.	267	Yes or No
2.	34	Yes or No
3.	18	Yes or No
4.	1980	Yes or No
5.	828	Yes or No
6.	99	Yes or No
7.	36	Yes or No
8.	204	Yes or No
9.	8934	Yes or No
10.	126	Yes or No

11.	72	Yes or No
12.	9	Yes or No
13.	46	Yes or No
14.	54	Yes or No
15.	562	Yes or No
16.	2979	Yes or No
17.	10	Yes or No
18.	565	Yes or No
19.	27	Yes or No
20.	936	Yes or No

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Practice Problem Answers:

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