

Test divisibility by 3 and 9

NAME	DATE	SCORE
		/ 10

1 Use the sum of the digits. Which of 3 and 9 divide 501 with no remainder?

- ☐ 3 and 9
 ☐ 3 only
 ☐ 9 only
 ☐ Neither

2 “A number divisible by 9 is divisible by 3.” Is this always, sometimes or never true?

- ☐ Always true
 ☐ Sometimes true
 ☐ Never true

3 Which of these numbers are divisible by 9?

Tick every answer that is true.

- ☐ **A** 5,457
☐ **B** 3,159
☐ **C** 1,854
☐ **D** 3,162
☐ **E** 2,724

4 Write a number from 751 to 769 that is divisible by 9.

5 Use the sum of the digits. Which of 3 and 9 divide 2,673 with no remainder?

- ☐ 3 and 9
 ☐ 3 only
 ☐ 9 only
 ☐ Neither

6 “A number whose digits add up to 13 is divisible by 9.” Is this always, sometimes or never true?

- ☐ Always true
 ☐ Sometimes true
 ☐ Never true

7 Which of these numbers are divisible by 9?

Tick every answer that is true.

☐ **A** 4,869

☐ **B** 4,347

☐ **C** 4,872

☐ **D** 4,332

☐ **E** 4,329

8 Use the sum of the digits. Which of 3 and 9 divide 5,537 with no remainder?

☐ 3 and 9 ☐ 3 only ☐ 9 only ☐ Neither

9 Use the sum of the digits. Which of 3 and 9 divide 7,767 with no remainder?

☐ 3 and 9 ☐ 3 only ☐ 9 only ☐ Neither

10 Use the sum of the digits. Which of 3 and 9 divide 2,490 with no remainder?

☐ 3 and 9 ☐ 3 only ☐ 9 only ☐ Neither

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1 **3 only**

3 **B, C**

Tick exactly these: B: 3,159; C: 1,854. One missed or one extra is wrong.

5 **3 and 9**

7 **A, B, E**

Tick exactly these: A: 4,869; B: 4,347; E: 4,329.
One missed or one extra is wrong.

9 **3 and 9**

2 **Always true**

4 **756**

Any one of these is right too: 765.

6 **Never true**

8 **Neither**

10 **3 only**