

Test divisibility by 3 and 9

NAME	DATE	SCORE
		/ 10

1 Use the sum of the digits. Which of 3 and 9 divide 4,527 with no remainder?

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

2 “A number divisible by 3 is odd.” 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** 5,823
☐ **B** 5,301
☐ **C** 4,851
☐ **D** 5,517
☐ **E** 4,857

4 Write a number from 285 to 299 that is divisible by 9.

5 Use the sum of the digits. Which of 3 and 9 divide 1,922 with no remainder?

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

6 “A number whose digits add up to 19 is divisible by 3.” Is this always, sometimes or never true?

- ☐ Always true
 ☐ Sometimes true
 ☐ Never true

7 Which of these numbers are divisible by 3?

Tick every answer that is true.

☐ **A** 2,181

☐ **B** 3,899

☐ **C** 4,431

☐ **D** 3,641

☐ **E** 2,182

8 Use the sum of the digits. Which of 3 and 9 divide 5,583 with no remainder?

☐ 3 and 9 ☐ 3 only ☐ 9 only ☐ Neither

9 Use the sum of the digits. Which of 3 and 9 divide 389 with no remainder?

☐ 3 and 9 ☐ 3 only ☐ 9 only ☐ Neither

10 Use the sum of the digits. Which of 3 and 9 divide 1,638 with no remainder?

☐ 3 and 9 ☐ 3 only ☐ 9 only ☐ Neither

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1 **3 and 9**

3 **A, B, C, D**

Tick exactly these: A: 5,823; B: 5,301; C: 4,851; D: 5,517. One missed or one extra is wrong.

5 **Neither**

7 **A, C**

Tick exactly these: A: 2,181; C: 4,431. One missed or one extra is wrong.

9 **Neither**

2 **Sometimes true**

4 **288**

Any one of these is right too: 297.

6 **Never true**

8 **3 only**

10 **3 and 9**