

Divisibility Rules

Choose the correct digits that will make each statement true.

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1) $15_\underline{\quad}$ is divisible by 3.

a) 6 b) 3 c) 7 d) 9

2) $2,8_\underline{\quad}6$ is not divisible by 3.

a) 2 b) 5 c) 0 d) 4

State whether the numbers are divisible by 3.

1) 391 _____

2) 48 _____

3) 654 _____

4) 2,102 _____

State whether the numbers are divisible by 2.

1) 645 _____

2) 8,770 _____

3) 2,306 _____

4) 71 _____

1) Which of the following numbers is divisible by 5?

a) 53,760 b) 9,251 c) 654 d) 78,213

2) Which of the following numbers is not divisible by 5?

a) 5,685 b) 36,690 c) 287 d) 1,000

TICK the numbers that are divisible by 2.

42,391

186

78

29

513

92,460

8,862

105,743

41,346

6,437

375,648

86,435

250,860

17

546,825

75,722

3,769

734

Which of the following numbers are divisible by 2, 5 and 10?

- (i) 149
- (ii) 19400
- (iii) 720345
- (iv) 125370
- (v) 3000000

Use divisibility rule to circle the factors of each number.

3,642

is divisible by

3 4 5 6 12

516

is divisible by

2 3 4 9 10

569,820

is divisible by

2 3 4 5 10

16,596

is divisible by

2 3 4 7 12

684,342

is divisible by

2 4 6 8 9

96,415

is divisible by

4 5 10 11 12

39,885

is divisible by

3 4 5 8 11

61,248

is divisible by

4 6 8 11 12

170

is divisible by

2 3 9 10 12

- 1) Fill in the smallest digit to make 7164__ divisible by 5
- 2) Fill in the smallest digit to make 1__43 divisible by 3
- 3) Fill in the smallest digit to make __428 divisible by 6
- 4) Fill in the smallest digit to make 2462__ divisible by 4
- 5) Fill in the smallest digit to make 32197__ divisible by 5
- 6) Fill in the smallest digit to make 47__05 divisible by 3
- 7) Fill in the smallest digit to make 91__ __ divisible by 4
- 8) Fill in the smallest digit to make __316 divisible by 3