

Divisibility Rules

Answer Key

A) 1) Check the numbers that are divisible by 2 and 9.

- a) 820 ~~b) 8,748~~ ~~c) 162~~ ~~d) 6,084~~

2) Check the numbers that are divisible by 3 and 5.

- ~~a) 825~~ b) 490 ~~c) 2,220~~ d) 635

3) Check the numbers that are divisible by 5 and 6.

- a) 7,040 ~~b) 1,950~~ c) 460 ~~d) 390~~

B) Write a number from the word box that solves each riddle.

| | | | |
|-----|-----|-------|-------|
| 720 | 366 | 9,240 | 2,880 |
|-----|-----|-------|-------|

1) I am divisible by 2 and 3,
but not divisible by 4.

Who am I?

366

2) I am divisible by 3 and 5,
but not divisible by 9.

Who am I?

9,240

C) Test each number for divisibility and check the appropriate boxes.

| | 2 | 3 | 4 | 5 | 6 | 9 | 10 |
|-------|---|---|---|---|---|---|----|
| 96 | ✓ | ✓ | ✓ | | ✓ | | |
| 360 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4,686 | ✓ | ✓ | | | ✓ | | |