

Divisibility Rules

Name: _____ Score: _____

Fill in the boxes and answer with either 'yes' or 'no'.

| Divisible by 2 ? | |
|------------------|--|
| 28 | |
| 123 | |
| 242 | |
| 1,029 | |
| 10,000 | |

| Divisible by 3 ? | |
|------------------|--|
| 72 | |
| 119 | |
| 306 | |
| 2,013 | |
| 22,881 | |

| Divisible by 4 ? | |
|------------------|--|
| 90 | |
| 144 | |
| 194 | |
| 4,408 | |
| 12,128 | |

Divisible by 2: if a number ends on zero, 2, 4, 6 or 8

Divisible by 3: if the sum of a number's digits is a multiple of 3

Divisible by 4: if a number's last 2 digits are a multiple of 4

| Divisible by 5 ? | |
|------------------|--|
| 99 | |
| 170 | |
| 215 | |
| 1,315 | |
| 99,056 | |

| Divisible by 6 ? | |
|------------------|--|
| 84 | |
| 113 | |
| 294 | |
| 1,134 | |
| 15,116 | |

| Divisible by 9 ? | |
|------------------|--|
| 95 | |
| 126 | |
| 828 | |
| 2,043 | |
| 18,127 | |

Divisible by 5: if a number ends on a 5 or a zero

Divisible by 6: if a number is divisible by both 2 and 3

Divisible by 9: if the sum of a number's digits is a multiple of 9

Answers

Fill in the boxes and answer with either 'yes' or 'no'.

| Divisible by 2 ? | |
|------------------|-----|
| 28 | yes |
| 123 | no |
| 242 | yes |
| 1,029 | no |
| 10,000 | yes |

| Divisible by 3 ? | |
|------------------|-----|
| 72 | yes |
| 119 | no |
| 306 | yes |
| 2,013 | yes |
| 22,881 | yes |

| Divisible by 4 ? | |
|------------------|-----|
| 90 | no |
| 144 | yes |
| 194 | no |
| 4,408 | yes |
| 12,128 | yes |

Divisible by 2: if a number ends on zero, 2, 4, 6 or 8

Divisible by 3: if the sum of a number's digits is a multiple of 3

Divisible by 4: if a number's last 2 digits are a multiple of 4

| Divisible by 5 ? | |
|------------------|-----|
| 99 | no |
| 170 | yes |
| 215 | yes |
| 1,315 | yes |
| 99,056 | no |

| Divisible by 6 ? | |
|------------------|-----|
| 84 | yes |
| 113 | no |
| 294 | yes |
| 1,134 | yes |
| 15,116 | no |

| Divisible by 9 ? | |
|------------------|-----|
| 95 | no |
| 126 | yes |
| 828 | yes |
| 2,043 | yes |
| 18,127 | no |

Divisible by 5: if a number ends on a 5 or a zero

Divisible by 6: if a number is divisible by both 2 and 3

Divisible by 9: if the sum of a number's digits is a multiple of 9