

## Rules for Divisibility Fold-Able

Objectives: Students will learn the rules for divisibility and create a fold-able to review knowledge.

Standard: 6.NS.4

Materials: copy of Fold-Able, scissors, pencil

Lesson:

1. Provide each student with a copy of the Fold-Able.
2. Have students fold paper length wise (hot dog style) so numbers are facing them. Students need to cut on line to separate each number. Only cut top sheet.
3. Have students lift number and write the divisibility rule on the left hand side.
4. On the right hand side, students will provide example numbers that follow the rule. Example- 30 is divisible by 2

Divisibility rules:

A whole number is divisible by:

- \* 2 if it ends in 0, 2, 4, 6, 8
- \* 3 if the sum of its digits is divisible by 3
- \* 4 if the number's last two digits are divisible by 4
- \* 5 if it ends in 0 or 5
- \* 6 if the number is divisible by 2 and 3
- \* 9 if the sum of its digits is divisible by 9
- \* 10 if it ends in 0

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**3**

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**4**

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**6**

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**9**

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**10**