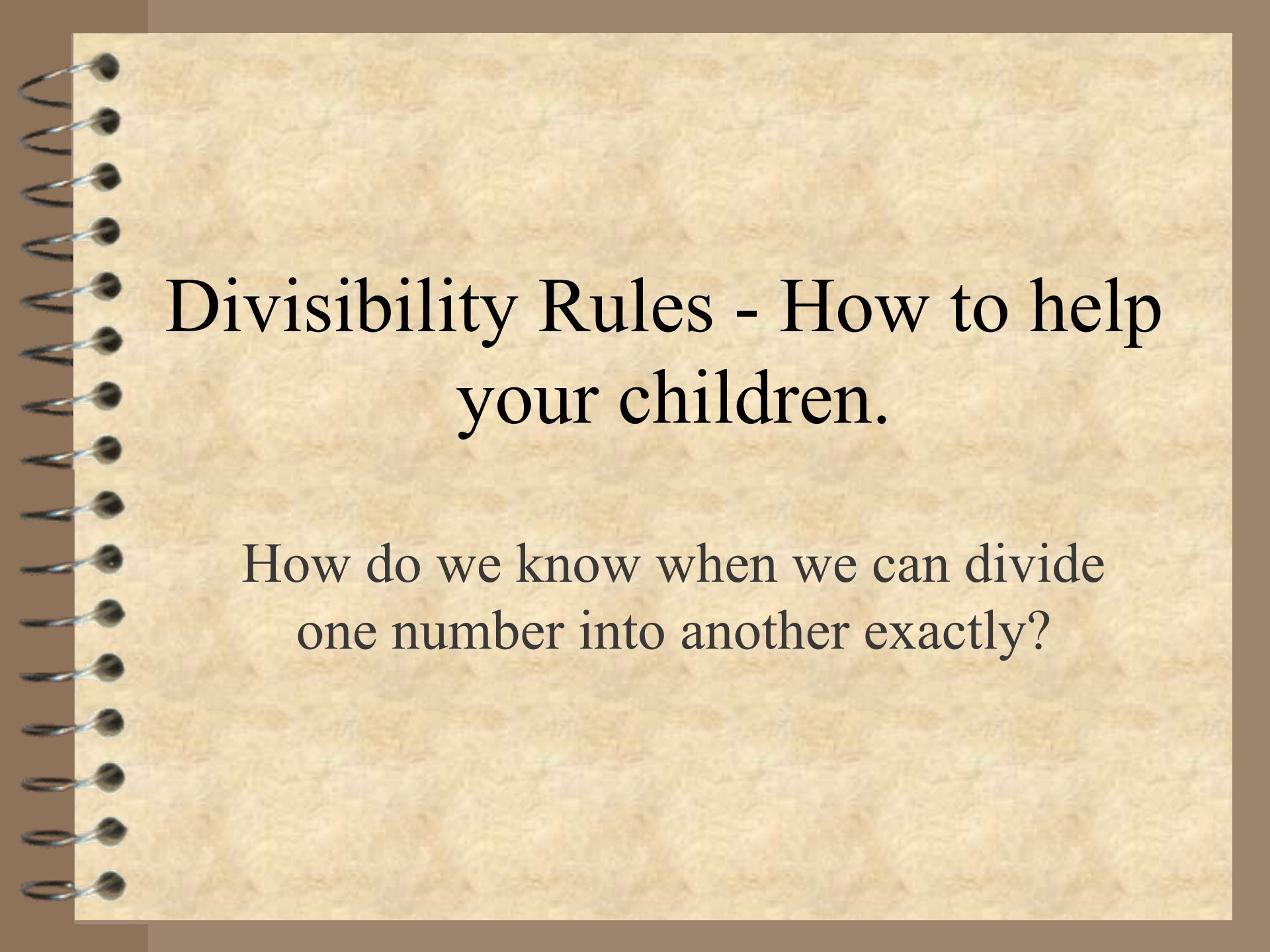


The background of the image is a spiral-bound notebook with a light beige, textured cover. The spiral binding is visible on the left side, with the metal wire looping through a series of holes. The text is centered on the page.

Divisibility Rules - How to help your children.

How do we know when we can divide
one number into another exactly?

Divisibility Rules (2)

- ✓ A number can be divided by 2 if
- ✓ the last digit is even



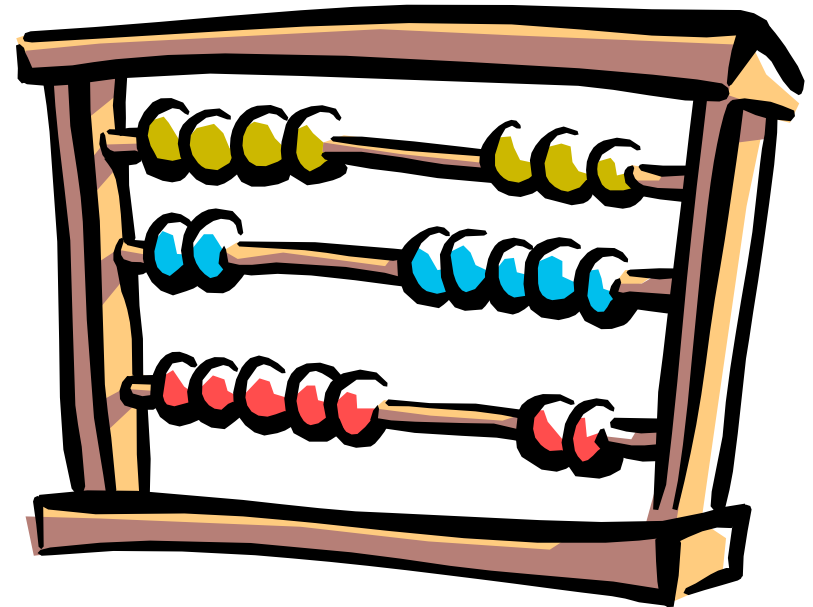
Divisibility Rules (3)



- ✓ a number is divisible by 3 if
- ✓ the sum of the digits is 3, 6 or 9

Divisibility Rules (4)

- ✓ a number is divisible by 4 if
- ✓ the number made by the last two digits can be divided by 4



Divisibility Rules (5)

- ✓ A number is divisible by 5 if
- ✓ the last digit is a 5 or a 0



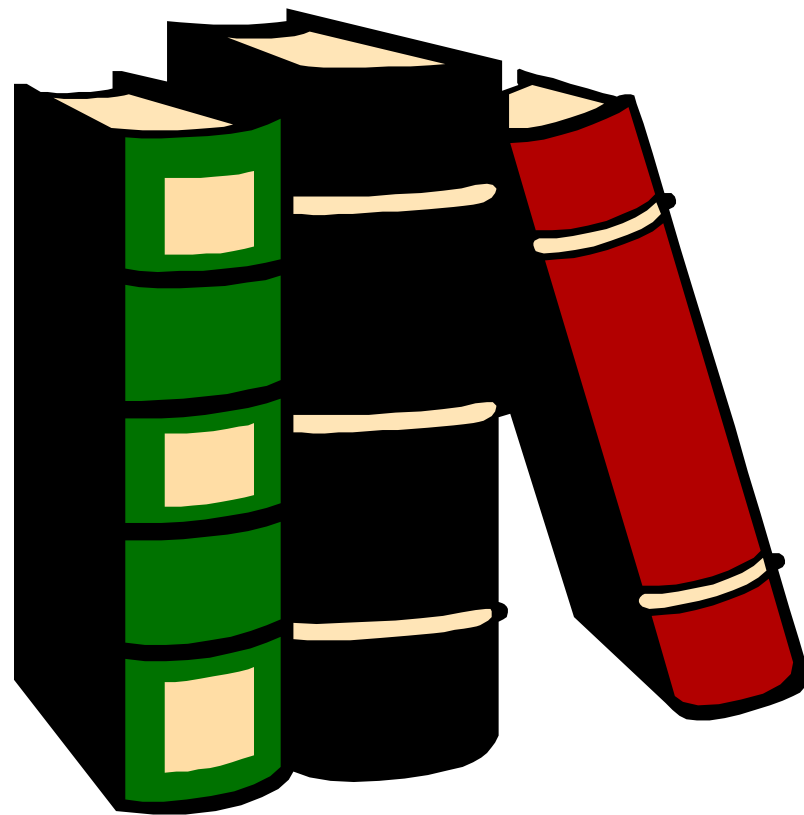
Divisibility Rules (6)

- ✓ A number can be divided by 6 if
- ✓ the last digit is even **and** the sum of all the digits is 3, 6 or 9



Divisibility Rules (8)

- ✓ A number is divisible by 8 if
- ✓ the number made by the last three digits will be divisible by 8



Divisibility Rules (9)

- ✓ A number is divisible by 9 if
- ✓ the sum of all the digits will add to 9



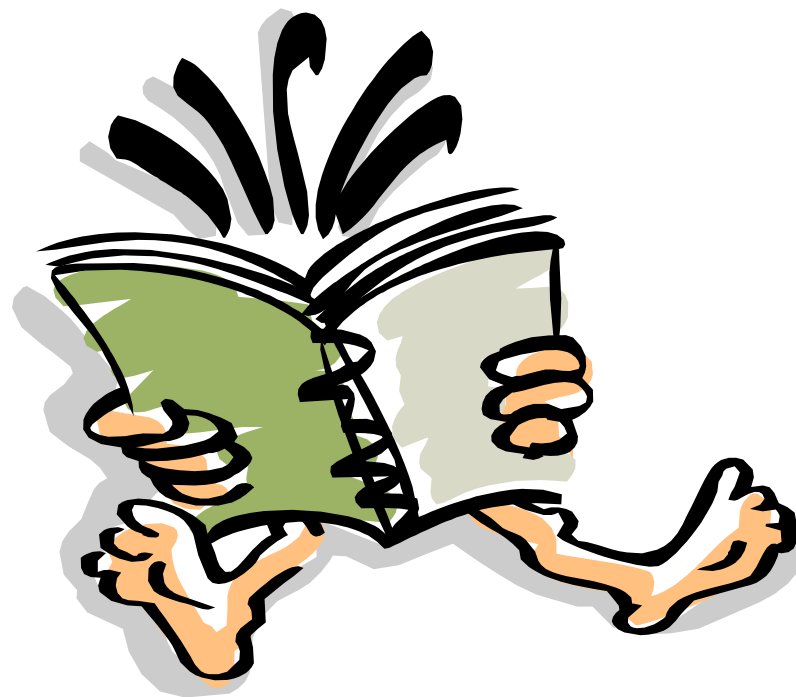
Divisibility Rules (10)

- ✓ A number can be divided by 10 if
- ✓ the last digit is a 0



Divisibility Rules

- ✓ A number can be divided by 7 if
- ✓ can you find a rule?



Divisibility Rules

- ✓ 2, the last digit will be an even number
- ✓ 3, all the digits will add to 3, 6 or 9
- ✓ 4, the number made by the last two digits can be divided by 4
- ✓ 5, the last digit will be a 5 or 0

Divisibility Rules

- ✓ 6, the last digit will be even and the digits will add to 3, 6 or 9
- ✓ 8, the number made by the last three digits will be divisible by 8

Divisibility Rules

- ✓ 9, the sum of the digits will be 9
- ✓ 10, the last digit will be a 0
- ✓ There is no easy test for 7, although some methods have been invented, however it is easier to use a pencil and paper method.

Divisibility Rules

✓ Apply these rules to these numbers:

✓ 74,673,042

✓ 444,555,448

✓ 61,616,168

✓ 732,510

✓ 66,666,666

✓ 179,131,590