

Divisibility rules



Look at the last digit

2 It divides by 2 when the last digit is even.

346 ends in 6

5 It divides by 5 when the last digit is 0 or 5.

245 ends in 5

10 It divides by 10 when the last digit is 0.

870 ends in 0

Add up the digits

3 It divides by 3 when the digits add to a multiple of 3.

5,124 gives $5+1+2+4 = 12$

9 It divides by 9 when the digits add to a multiple of 9.

4,761 gives $4+7+6+1 = 18$

Two steps

4 It divides by 4 when the last two digits make a multiple of 4.

1,316 ends in 16, and $16 = 4 \times 4$

6 It divides by 6 when it passes the 2 test and the 3 test.

138 is even, and $1+3+8 = 12$