

# Divisibility Rules

<b>2</b>	2 can go into: All even numbers (numbers ending in 0,2,4,6,8)	<b>238</b> 2 can go into the last digit of these numbers
<b>3</b>	3 can go into: Numbers whose digits add up to a multiple of 3	<b>375</b> $3+7+5=15$ 3 can go into the sum of the digits
<b>4</b>	4 can go into: Numbers whose last 2 digits make a multiple of 4	<b>528</b> 4 can go into the last 2 digits
<b>5</b>	5 can go into: Numbers that end in 0 or 5	<b>345 910</b> 5 can go into Any number that ends in 0 or 5
<b>6</b>	6 can go into: Numbers that have both 2 and 3 as factors	<b>756</b> $7+5+6=18$ 6 can go into any number that <u>both</u> 2 and 3 go into
<b>9</b>	9 can go into: Numbers whose digits add up to a multiple of 9	<b>126</b> $1+2+6=9$ 9 can go any numbers whose sum of the digits is 9
<b>10</b>	10 can go into: Numbers that end in 0	<b>680 200</b> 10 can go into any number that ends in 0

# 25

Rule: A number is divisible by 25 if it ends in 00, 25, 50 or 75.



Try it!

**275** – The last two digits are 75 – Yes!

**102** – The last two digits are not 00, 25, 50 or 75 – No!

