

THE DOZENAL SOCIETY OF AMERICA DOZENAL DIVISIBILITY TESTS QUICK GUIDE

by Treisaran

Divisor Tests		
Divisible by	If ends in	
2	0, 2, 4, 6, 8, or 7	
3	0, 3, 6, 9	
4	0, 4, 8	
6	0, 6	
10	0	

Two-Digit Multiples of 5
$00 \ 05 \ 07 \ 13 \ 18 \ 21 \ 26 \ 28 \ 34 \ 39 \ 42 \ 47$
$50\ 55\ 57\ 63\ 68\ 71\ 76\ 78\ 84\ 89\ 92\ 97$
83 83 77 77 07

Split, Promote, Discard (SPD)
Divisibility by 5
Solit the last two digits off leaving

- 1. Split the last two digits off, leaving two numbers.
- 2. *Promote* the second number to the nearest multiple of 5 (add or subtract).
- 3. Add or subtract the same amount from the first number.
- Discard the right number; repeat 1-34. with the left.
- 5.Continue until the left number is one or two digits.
- If this number is divisible by 5, the 6. original is also; if not, the original is not.

Regular Tests		
Divisible by	If	
8	Second-to-last digit divides by 2 and last is 0 or 8	
	Second-to-last digit doesn't divide by 2 and last is 4	
9	Second-to-last digit is 0, 3, 6, or 9 and last is 0 or 9 Second-to-last digit is 1, 4, 7, or 7 and last is 6 Second-to-last digit is 2, 5, 8, or 8 and last is 3.	
14	Last two digits are a multiple of 14	
28	Third-last digit divides by 2 and last two are 00, 28, 54, 80, or 78 Third-last digit doesn't di- vide by 2 and its last two are 14, 40, 68, or 94	

Two-Digit Multiples of 14 $00 \ 14 \ 28 \ 40 \ 54 \ 68 \ 80 \ 94 \ 78$

Compound Tests		
Divisible By	If	
5	Divisible by both 2 and 5	
13	Divisible by both 3 and 5 $$	

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