

How to Solve a Problem that is Always Turning Up in Everyday Life—that of Taking One Number from Another and Finding Out What Number Remains

A diagram of a rectangular box. The top edge is labeled 6". The right edge is labeled 9". The left edge is labeled 3". The box is shown in a perspective view, with dashed lines indicating the hidden edges.

Remainders

2	3	4	5	6	7	8	9	10											
$\frac{1}{1}$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{9}$											
									11										
	3	4	5	6	7	8	9	10	$\frac{11}{2}$										
	$\frac{2}{1}$	$\frac{2}{2}$	$\frac{2}{3}$	$\frac{2}{4}$	$\frac{2}{5}$	$\frac{2}{6}$	$\frac{2}{7}$	$\frac{2}{8}$	$\frac{2}{9}$										
									11	12									
	4	5	6	7	8	9	10	11	$\frac{12}{3}$	$\frac{12}{9}$									
	$\frac{3}{1}$	$\frac{3}{2}$	$\frac{3}{3}$	$\frac{3}{4}$	$\frac{3}{5}$	$\frac{3}{6}$	$\frac{3}{7}$	$\frac{3}{8}$	$\frac{3}{9}$										
									11	12	13								
	5	6	7	8	9	10	11	12	$\frac{13}{4}$	$\frac{13}{8}$	$\frac{13}{9}$								
	$\frac{4}{1}$	$\frac{4}{2}$	$\frac{4}{3}$	$\frac{4}{4}$	$\frac{4}{5}$	$\frac{4}{6}$	$\frac{4}{7}$	$\frac{4}{8}$	$\frac{4}{9}$										
									11	12	13	14							
	6	7	8	9	10	11	12	13	$\frac{14}{5}$	$\frac{14}{7}$	$\frac{14}{8}$	$\frac{14}{9}$							
	$\frac{5}{1}$	$\frac{5}{2}$	$\frac{5}{3}$	$\frac{5}{4}$	$\frac{5}{5}$	$\frac{5}{6}$	$\frac{5}{7}$	$\frac{5}{8}$	$\frac{5}{9}$										
									11	12	13	14	15						
	7	8	9	10	11	12	13	14	$\frac{15}{6}$	$\frac{15}{6}$	$\frac{15}{7}$	$\frac{15}{8}$	$\frac{15}{9}$						
	$\frac{6}{1}$	$\frac{6}{2}$	$\frac{6}{3}$	$\frac{6}{4}$	$\frac{6}{5}$	$\frac{6}{6}$	$\frac{6}{7}$	$\frac{6}{8}$	$\frac{6}{9}$										
									11	12	13	14	15	16					
	8	9	10	11	12	13	14	15	$\frac{16}{7}$	$\frac{16}{7}$	$\frac{16}{7}$	$\frac{16}{8}$	$\frac{16}{9}$						
	$\frac{7}{1}$	$\frac{7}{2}$	$\frac{7}{3}$	$\frac{7}{4}$	$\frac{7}{5}$	$\frac{7}{6}$	$\frac{7}{7}$	$\frac{7}{8}$	$\frac{7}{9}$										
									11	12	13	14	15	16	17				
	9	10	11	12	13	14	15	16	$\frac{17}{8}$	$\frac{17}{8}$	$\frac{17}{8}$	$\frac{17}{8}$	$\frac{17}{9}$						
	$\frac{8}{1}$	$\frac{8}{2}$	$\frac{8}{3}$	$\frac{8}{4}$	$\frac{8}{5}$	$\frac{8}{6}$	$\frac{8}{7}$	$\frac{8}{8}$	$\frac{8}{9}$										
									11	12	13	14	15	16	17	18			
	10	11	12	13	14	15	16	17	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$	$\frac{18}{9}$		
	$\frac{9}{1}$	$\frac{9}{2}$	$\frac{9}{3}$	$\frac{9}{4}$	$\frac{9}{5}$	$\frac{9}{6}$	$\frac{9}{7}$	$\frac{9}{8}$	$\frac{9}{9}$									$\frac{9}{9}$	

The thirty-six combinations on the right of the heavy lines are usually learned in second stage.

The forty-five combinations on the left of the heavy lines are usually learned in the first stage.

3	7	4
6		8
2	9	5

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