

Divide by 4 by Dividing by 2 Twice

Mental Math Strategy

When to use this strategy: Use this strategy when you subtracting and there are numbers that are compatible.

How to use this strategy: Look for an “added” number (or positive number) and a “subtracted” number that end with the same number or numbers. Combine these first. Then add or subtract the remaining numbers.

Examples: $284/4 = 284/2/2 = 142/2 = 71$ $60 \div 4 = 60 \div 2 \div 2 = 30 \div 2 = 15$

Use this (new) strategy on the following:	
1.) Solve the equation $408 \div 4 = x$	2.) $y = 4x + 360$ Find the x-intercept (State your answer in an ordered pair)
3.) A farmer harvests 164 bushels in 4 acres. Find the number of bushels per acre.	4.) You go out to dinner and the total bill was \$52.00. You split the cost between the four of you. How much money will you end up paying?

Use any strategy you know on the following:	
5.) Solve $55 = \frac{d}{20}$	6.) Estimate the sum: $24.48 + 3.49 + 7.69 + 6.42$
7.) Evaluate $4 \cdot \left(\frac{14}{5}\right)$ (express as a mixed number)	8.) If Paul has \$56 to spend on the next two weekends (4 days), how much can he spend per day?