

### Year 5 Daily arithmetic W/C – 18/5/20

Each day, warm up your brain by having a go at 10 arithmetic questions. This should be a quick task and take around 10 minutes.

This week you will be looking at adding, subtracting and multiplying fractions, and finding fractions of amounts. On the following page, there are examples to help you with this week's tasks.

Monday	Tuesday	Wednesday	Thursday	Friday
1. $\frac{1}{4} + \frac{1}{4} =$	1. $\frac{2}{4} - \frac{1}{4} =$	1. $\frac{1}{4}$ of 20 =	1. $\frac{1}{4} \times 3 =$	1. $\frac{3}{4} - \frac{3}{12} =$
2. $\frac{2}{3} + \frac{1}{3} =$	2. $\frac{2}{3} - \frac{1}{3} =$	2. $\frac{1}{2}$ of 10 =	2. $\frac{1}{2} \times 5 =$	2. $\frac{3}{5} + \frac{8}{15} =$
3. $\frac{6}{8} + \frac{4}{8} =$	3. $\frac{6}{8} - \frac{4}{8} =$	3. $\frac{1}{3}$ of 30 =	3. $\frac{2}{10} \times 6 =$	3. $\frac{3}{6} \times 5 =$
4. $\frac{7}{10} + \frac{6}{10} =$	4. $\frac{7}{10} - \frac{6}{10} =$	4. $\frac{3}{5}$ of 75 =	4. $\frac{3}{4} \times 4 =$	4. $\frac{4}{6}$ of 72 =
5. $\frac{4}{5} + \frac{4}{5} =$	5. $\frac{4}{5} - \frac{2}{5} =$	5. $\frac{3}{4}$ of 100 =	5. $\frac{6}{10} \times 10 =$	5. $\frac{10}{11} + \frac{1}{22} =$
6. $\frac{1}{2} + \frac{2}{4} =$	6. $\frac{1}{2} - \frac{1}{4} =$	6. $\frac{4}{7}$ of 350 =	6. $\frac{2}{7} \times 9 =$	6. $\frac{8}{10} \times 12 =$
7. $\frac{5}{10} + \frac{2}{5} =$	7. $\frac{5}{10} - \frac{2}{5} =$	7. $\frac{6}{9}$ of 189 =	7. $\frac{6}{4} \times 5 =$	7. $\frac{2}{9}$ of 81 =
8. $\frac{4}{12} + \frac{1}{3} =$	8. $\frac{4}{12} - \frac{1}{3} =$	8. $\frac{2}{10}$ of 134 =	8. $\frac{5}{15} \times 8 =$	8. $\frac{24}{30} - \frac{2}{3} =$
9. $\frac{5}{7} + \frac{1}{2} =$	9. $\frac{5}{7} - \frac{1}{2} =$	9. $\frac{7}{12}$ of 480 =	9. $\frac{8}{5} \times 12 =$	9. $\frac{3}{12}$ of 360 =
10. $\frac{3}{9} + \frac{1}{4} =$	10. $\frac{3}{9} - \frac{1}{4} =$	10. $\frac{12}{13}$ of 390 =	10. $\frac{10}{13} \times 7 =$	10. $\frac{10}{2} \times 13 =$

Monday example	Tuesday example	Wednesday example	Thursday example	Friday example
$\frac{1}{2} + \frac{1}{10} = ?$ <p><b>Step one:</b> make sure the denominators are the same – find a common multiple of both. Eg: 2 and 10 have common multiples of 10, 20, etc.</p> <p><b>Step two:</b> Pick the lowest common multiple (10) then convert your fractions to that number:</p> $\frac{1}{2} - \frac{x5}{x5} - \frac{5}{10}$ $\frac{1}{10} - \frac{x1}{x1} - \frac{1}{10}$ <p><b>Step three:</b> add the numerators together:</p> $\frac{5}{10} + \frac{1}{10} = \frac{6}{10}$ <p>So, <math>\frac{1}{2} + \frac{1}{10} = \frac{6}{10}</math></p>	$\frac{1}{2} - \frac{1}{10} = ?$ <p><b>Step one:</b> make sure the denominators are the same – find a common multiple of both. Eg: 2 and 10 have common multiples of 10, 20, etc.</p> <p><b>Step two:</b> Pick the lowest common multiple (10) then convert your fractions to that number:</p> $\frac{1}{2} - \frac{x5}{x5} - \frac{5}{10}$ $\frac{1}{10} - \frac{x1}{x1} - \frac{1}{10}$ <p><b>Step three:</b> subtract the numerators:</p> $\frac{5}{10} - \frac{1}{10} = \frac{4}{10}$ <p>So, <math>\frac{1}{2} - \frac{1}{10} = \frac{4}{10}</math></p>	$\frac{3}{10} \text{ of } 100 = ?$ <p><b>Step one:</b> Divide the whole number (100) by the denominator (10): <math>100 \div 10 = 10</math></p> <p><b>Step two:</b> multiply this answer (10) by the numerator (3) to get your answer: <math>10 \times 3 = 30</math></p> <p>So, <math>\frac{3}{10} \text{ of } 100 = 30</math></p>	$\frac{2}{5} \times 10 = ?$ <p><b>Step one:</b> Multiply the numerator (2) by the number (10): <math>2 \times 10 = 20</math></p> <p><b>Step two:</b> This number (20) becomes the numerator in your fraction: <math>\frac{20}{5}</math></p> <p><b>Step three (optional):</b> Simplify the fraction by seeing how many times your denominator goes into your numerator: 5 goes into 20 four times with nothing left over, so <math>\frac{20}{5}</math> is the same as 4. So, <math>\frac{2}{5} \times 10 = \frac{20}{5}</math> or 4.</p>	<p>Use the rules you have practiced this week to help you!</p>