Adding and Subtracting Fractions

Calculate the following. Make sure to find a common denominator and simplify your final answer where possible.

Warm-up Calculations

1. $\frac{2}{7} + \frac{4}{7} =$

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2. $\frac{8}{11} - \frac{3}{11} =$

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3. $\frac{5}{9} + \frac{7}{9} =$

4. $\frac{1}{4} + \frac{5}{8} =$

5. $\frac{5}{6} - \frac{2}{3} =$

6. $\frac{2}{5} + \frac{3}{10} =$

7. $\frac{2}{3} + \frac{1}{4} =$

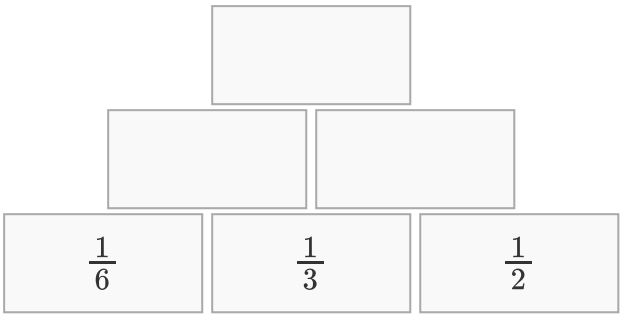
8. $\frac{3}{5} - \frac{1}{2} =$

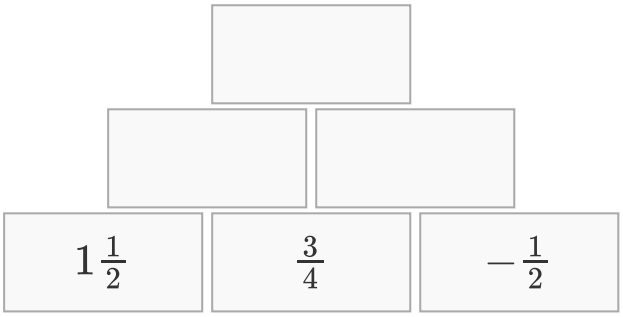
9. $\frac{1}{2} + \frac{1}{3} + \frac{1}{5} =$

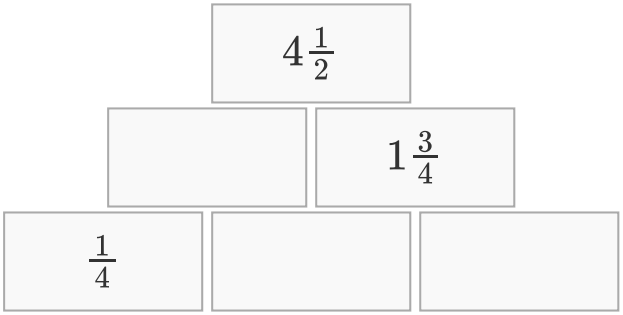
Matching Pairs: Draw a line to match each problem on the left with its correct simplified answer on the right.

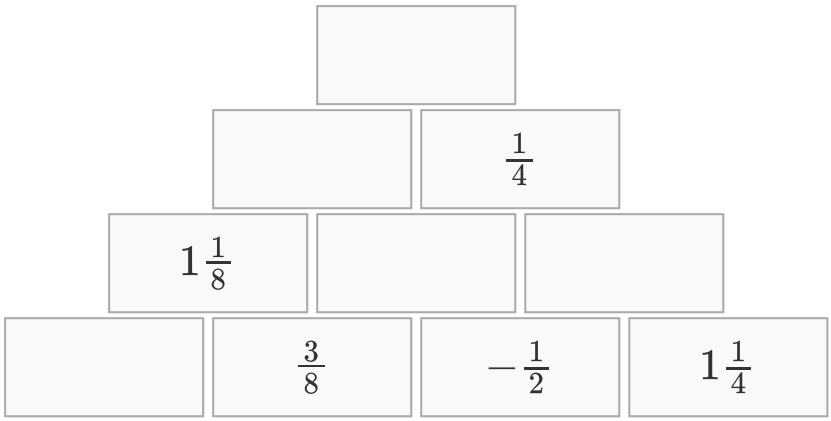
(A) $\frac{1}{2} + \frac{1}{4}$	$1\frac{1}{2}$
(B) $2 - \frac{3}{5}$	$\frac{3}{4}$
(C) $\frac{2}{3} + \frac{5}{6}$	$\frac{1}{12}$
(D) $\frac{3}{4} - \frac{2}{3}$	$1\frac{2}{5}$

Fraction Pyramids: Each block is the sum of the two blocks directly beneath it. Fill in the missing fractions.









Magic Square: In this magic square, the sum of each row, column, and diagonal is the same. Find the magic number and fill in the missing fractions.

$\frac{1}{2}$		2
	$1\frac{1}{2}$	
1		$2\frac{1}{2}$

Contextual Problems

10. A recipe for a cake requires $1\frac{1}{2}$ cups of flour. A recipe for biscuits requires $\frac{3}{4}$ of a cup of flour. How much flour is needed in total for both recipes?

11. You have a plank of wood that is $3\frac{1}{4}$ metres long. You cut off a piece that is $1\frac{2}{5}$ metres long. What is the length of the remaining piece of wood?

12. A pizza is cut into 12 slices. Mark eats $\frac{1}{3}$ of the pizza and Sarah eats $\frac{1}{4}$ of the pizza. What fraction of the pizza is left?