

Add fractions with unlike denominators

NAME	DATE	SCORE
		/ 10

1 $\frac{1}{3} + \frac{7}{10} = ?$ Give the answer in lowest terms.

2 Noah worked out $\frac{2}{5} + \frac{2}{7}$ in the steps below. Which step is the first one that is wrong?

Step 1: Write both fractions with a denominator of 35.

Step 2: $\frac{2}{5} = \frac{2}{35}$

Step 3: $\frac{2}{7} = \frac{10}{35}$

Step 4: $\frac{2}{35} + \frac{10}{35} = \frac{12}{35}$

☐ Step 1 ☐ Step 2 ☐ Step 3 ☐ Step 4

3 $\frac{3}{4} + \frac{3}{10} = ?$ Give the answer in lowest terms.

4 Ana worked out $\frac{1}{4} + \frac{1}{5}$ in the steps below. Which step is the first one that is wrong?

Step 1: Write both fractions with a denominator of 20.

Step 2: $\frac{1}{4} = \frac{5}{20}$

Step 3: $\frac{1}{5} = \frac{16}{20}$

Step 4: $\frac{5}{20} + \frac{16}{20} = \frac{21}{20}$

☐ Step 1 ☐ Step 2 ☐ Step 3 ☐ Step 4

5 $\frac{1}{2} + \frac{1}{6} = ?$ Give the answer in lowest terms.

6 Maya worked out $\frac{1}{6} + \frac{1}{7}$ in the steps below. Which step is the first one that is wrong?

Step 1: Write both fractions with a denominator of 42.

Step 2: $\frac{1}{6} = \frac{7}{42}$

Step 3: $\frac{1}{7} = \frac{36}{42}$

Step 4: $\frac{7}{42} + \frac{36}{42} = \frac{43}{42}$

☐ Step 1 ☐ Step 2 ☐ Step 3 ☐ Step 4

7 $\frac{3}{10} + \frac{5}{6} = ?$ Give the answer in lowest terms.

8 Leo worked out $\frac{1}{4} + \frac{2}{5}$ in the steps below. Which step is the first one that is wrong?

Step 1: Write both fractions with a denominator of 20.

Step 2: $\frac{1}{4} = \frac{5}{20}$

Step 3: $\frac{2}{5} = \frac{17}{20}$

Step 4: $\frac{5}{20} + \frac{17}{20} = \frac{22}{20}$

☐ Step 1 ☐ Step 2 ☐ Step 3 ☐ Step 4

9 $\frac{1}{2} + \frac{3}{8} = ?$ Give the answer in lowest terms.

10 Cleo worked out $\frac{2}{3} + \frac{1}{4}$ in the steps below. Which step is the first one that is wrong?

Step 1: Write both fractions with a denominator of 12.

Step 2: $\frac{2}{3} = \frac{8}{12}$

Step 3: $\frac{1}{4} = \frac{3}{12}$

Step 4: $\frac{8}{12} + \frac{3}{12} = \frac{11}{24}$

☐ Step 1 ☐ Step 2 ☐ Step 3 ☐ Step 4

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1 $\frac{31}{30}$

3 $\frac{21}{20}$

5 $\frac{2}{3}$

7 $\frac{17}{15}$

9 $\frac{7}{8}$

2 Step 2

4 Step 3

6 Step 3

8 Step 3

10 Step 4