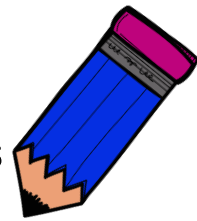# Pass the Problem: Adding Fractions

Problem 1:

Name:_____ Find a common denominator. $$\frac{3}{4} + \frac{1}{7}$$	Name:_____ Create equivalent fractions using the common denominator provided by your partner.
Name:_____ Add the numerators. Remember, the denominator stays the same!	Name:_____ Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

Problem 2:

Name:_____
Find a common denominator.

$$\frac{1}{9} + \frac{5}{6}$$

Name:_____
Create equivalent fractions using the common denominator provided by your partner.

Name:_____
Add the numerators. Remember, the denominator stays the same!

Name:_____
Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

Problem 3:

Name:_____
Find a common denominator.
$$\frac{3}{10} + \frac{2}{4}$$

Name:_____
Create equivalent fractions using the common denominator provided by your partner.

Name:_____
Add the numerators. Remember, the denominator stays the same!

Name:_____
Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

Problem 4:

Name:_____ Find a common denominator. $$\frac{9}{11} + \frac{2}{3}$$	Name:_____ Create equivalent fractions using the common denominator provided by your partner.
Name:_____ Add the numerators. Remember, the denominator stays the same!	Name:_____ Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

Pass the Problem: Adding Fractions ANSWER KEY

Problem 1:

Name:_____
Find a common denominator.

$$\frac{3}{4} + \frac{1}{7}$$

4: 4, 8, 12, 16, 20, 24, **28**

7: 7, 14, 21, **28**

Name:_____
Create equivalent fractions using the common denominator provided by your partner.

$$\frac{3^{\times 7}}{4_{\times 7}} = \frac{21}{28}$$

$$\frac{1^{\times 4}}{7_{\times 4}} = \frac{4}{28}$$

Name:_____
Add the numerators. Remember, the denominator stays the same!

$$\frac{21}{28} + \frac{4}{28} = \frac{25}{28}$$

Name:_____
Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

$$\frac{25}{28} \quad \text{SIMPLEST FORM}$$

Problem 2:

Name:_____
Find a common denominator.

$$\frac{1}{9} + \frac{5}{6}$$

9: 9, **18**

6: 6, 12, **18**

Name:_____
Create equivalent fractions using the common denominator provided by your partner.

$$\frac{1^{\times 2}}{9_{\times 2}} = \frac{2}{18}$$

$$\frac{5^{\times 3}}{6_{\times 3}} = \frac{15}{18}$$

Name:_____
Add the numerators. Remember, the denominator stays the same!

$$\frac{2}{18} + \frac{15}{18} = \frac{17}{18}$$

Name:_____
Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

$$\frac{17}{18}$$ SIMPLEST FORM

Problem 3:

Name:_____
Find a common denominator.

$$\frac{3}{10} + \frac{2}{4}$$

10: 10, **20**

4: 4, 8, 12, 16, **20**

Name:_____
Create equivalent fractions using the common denominator provided by your partner.

$$\frac{3^{\times\ 2}}{10_{\times\ 2}} = \frac{6}{20}$$

$$\frac{2^{\times\ 5}}{4_{\times\ 5}} = \frac{10}{20}$$

Name:_____
Add the numerators. Remember, the denominator stays the same!

$$\frac{6}{20} + \frac{10}{20} = \frac{16}{20}$$

Name:_____
Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

$$\frac{16}{20} \frac{\div\ 4}{\div\ 4} = \frac{4}{5}$$

Problem 4:

Name:_____
Find a common denominator.
$$\frac{9}{11} + \frac{2}{3}$$

11: 11, 22, **33**

3: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, **33**

Name:_____
Create equivalent fractions using the common denominator provided by your partner.

$$\frac{9^{\times 3}}{11_{\times 3}} = \frac{27}{33}$$

$$\frac{2^{\times 11}}{3_{\times 11}} = \frac{22}{33}$$

Name:_____
Add the numerators. Remember, the denominator stays the same!

$$\frac{27}{33} + \frac{22}{33} = \frac{49}{33}$$

Name:_____
Simplify, if possible. If not possible, rewrite the answer and write SIMPLEST FORM.

$$\frac{49}{33} = 1\frac{16}{33}$$