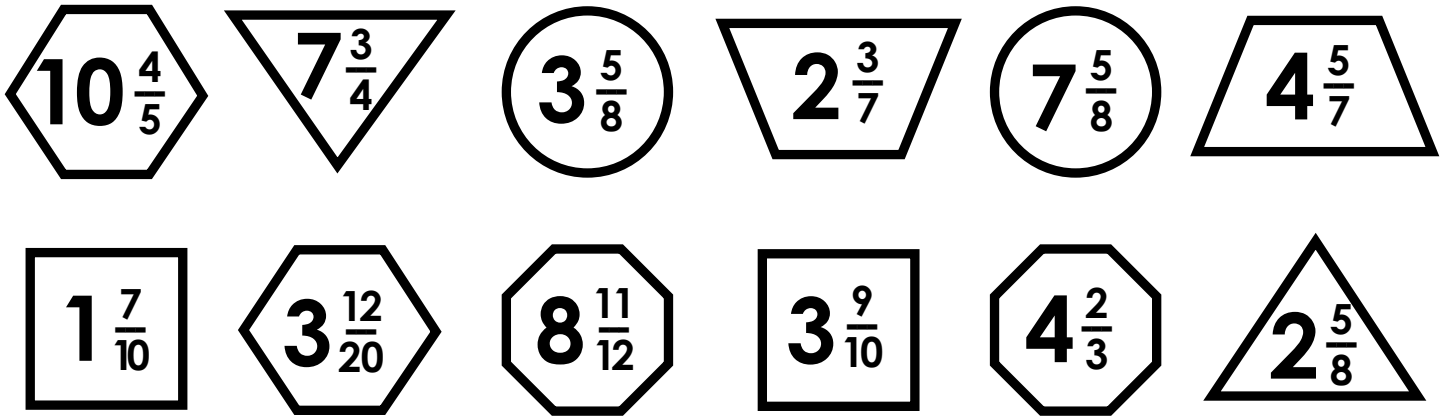
Name: _____

Adding Mixed Numbers with Different Denominators

Shape Addition

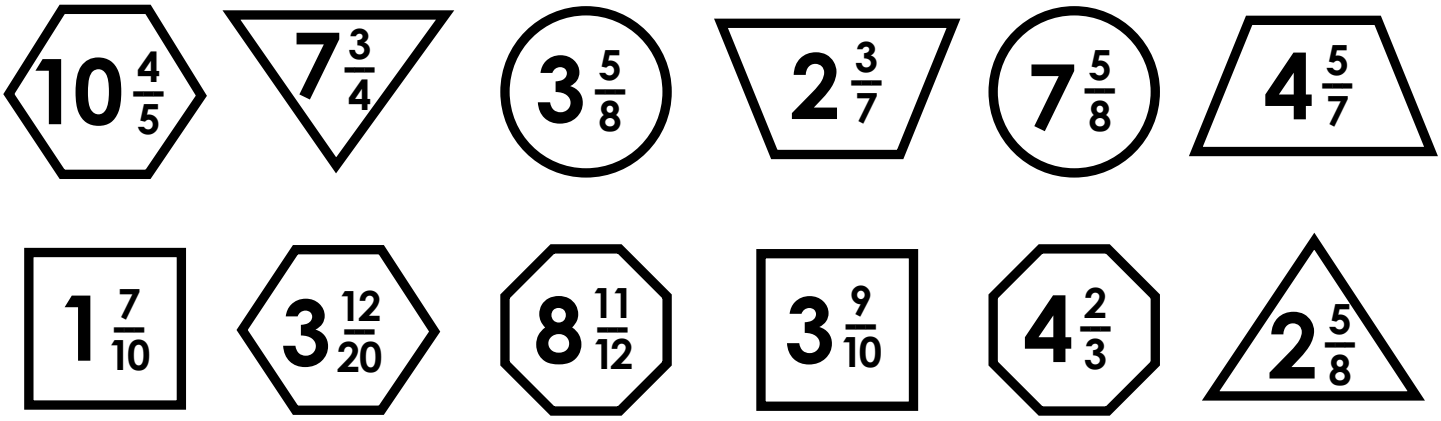


Find the sum of the mixed numbers in the **trapezoids**. Write your answer as a mixed number in simplest form.	Find the sum of the mixed numbers in the **triangles**. Write your answer as a mixed number in simplest form.	Find the sum of the mixed numbers in the **hexagons**. Write your answer as a mixed number in simplest form.
Find the sum of the mixed numbers in the **squares**. Write your answer as a mixed number in simplest form.	Find the sum of the mixed numbers in the **circles**. Write your answer as a mixed number in simplest form.	Find the sum of the mixed numbers in the **octagons**. Write your answer as a mixed number in simplest form.

ANSWER KEY

Adding Mixed Numbers with Different Denominators

Shape Addition



Find the sum of the mixed numbers in the **trapezoids**. Write your answer as a mixed number in simplest form.

$2\frac{3}{7} = \frac{17}{7}$

$4\frac{5}{7} = \frac{33}{7}$

$\frac{50}{7} = 7\frac{1}{7}$

Find the sum of the mixed numbers in the **triangles**. Write your answer as a mixed number in simplest form.

$7\frac{3}{4} = \frac{31}{4} = \frac{62}{8}$

$2\frac{5}{8} = \frac{21}{8} = \frac{21}{8}$

$\frac{83}{8} = 10\frac{3}{8}$

Find the sum of the mixed numbers in the **hexagons**. Write your answer as a mixed number in simplest form.

$10\frac{4}{5} = \frac{54}{5} = \frac{216}{20}$

$3\frac{12}{20} = \frac{72}{20} = \frac{72}{20}$

$\frac{288}{20} = 14\frac{8}{20}$

$= 14\frac{2}{5}$

Find the sum of the mixed numbers in the **squares**. Write your answer as a mixed number in simplest form.

$1\frac{7}{10} = \frac{17}{10}$

$3\frac{9}{10} = \frac{39}{10}$

$\frac{56}{10} = 5\frac{6}{10}$

$= 5\frac{3}{5}$

Find the sum of the mixed numbers in the **circles**. Write your answer as a mixed number in simplest form.

$3\frac{5}{8} = \frac{29}{8}$

$7\frac{5}{8} = \frac{61}{8}$

$\frac{90}{8} = 11\frac{2}{8}$

$= 11\frac{1}{4}$

Find the sum of the mixed numbers in the **octagons**. Write your answer as a mixed number in simplest form.

$4\frac{2}{3} = \frac{14}{3} = \frac{56}{12}$

$8\frac{11}{12} = \frac{107}{12} = \frac{107}{12}$

$\frac{163}{12} = 13\frac{7}{12}$