

Lesson 5.6: Adding with Mixed Numbers

1. Write each mixed number as an improper fraction in simplest form.

a) $2\frac{4}{9}$

b) $5\frac{5}{8}$

c) $7\frac{2}{4}$

d) $3\frac{2}{6}$

2. Write each improper fraction as a mixed number in simplest form.

a) $\frac{19}{9}$

b) $\frac{23}{8}$

c) $\frac{11}{4}$

d) $\frac{21}{6}$

3. Use Pattern Blocks or fraction circles to find each sum.

a) $1\frac{2}{3} + 2\frac{5}{6}$

b) $2\frac{1}{4} + 2\frac{5}{6}$

c) $1\frac{1}{4} + \frac{7}{8}$

d) $2\frac{1}{3} + 3\frac{3}{4}$

4. For each pair of numbers, find a common denominator.
Then add.

a) $6\frac{2}{3} + 1\frac{1}{5}$

b) $2\frac{3}{4} + 5\frac{1}{8}$

c) $1\frac{4}{7} + 8\frac{1}{2}$

d) $3\frac{3}{5} + 3\frac{1}{4}$

5. We know $\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$.

Use this result to find each sum.

Estimate to check the sum is reasonable.

a) $2\frac{1}{3} + 3\frac{1}{4}$

b) $1\frac{1}{3} + 2\frac{1}{4}$

c) $3\frac{1}{3} + 4\frac{1}{4}$

d) $4\frac{1}{3} + 2\frac{1}{4}$

6. Jalen tried out for the soccer team. There were 3 tryouts.

The first tryout was $1\frac{1}{2}$ h. The second tryout was $1\frac{3}{4}$ h.

The third tryout was $2\frac{1}{3}$ h.

How much time did Jalen spend trying out for the team?

Name _____ Date _____

Extra Practice 6 – Master 5.32

Lesson 5.6

1. a) $\frac{22}{9}$ b) $\frac{45}{8}$ c) $\frac{15}{2}$ d) $\frac{10}{3}$
2. a) $2\frac{1}{9}$ b) $2\frac{7}{8}$ c) $2\frac{3}{4}$ d) $3\frac{1}{2}$
3. a) $4\frac{1}{2}$ b) $5\frac{1}{12}$ c) $2\frac{1}{8}$ d) $6\frac{1}{12}$
4. a) fifteenths; $7\frac{13}{15}$ b) eighths; $7\frac{7}{8}$ c) fourteenths; $10\frac{1}{14}$ d) twentieths; $6\frac{17}{20}$
5. a) $5\frac{7}{12}$ b) $3\frac{7}{12}$ c) $7\frac{7}{12}$ d) $6\frac{7}{12}$
6. $5\frac{7}{12}$ h