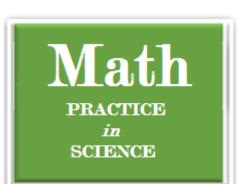
032 Math Practice



Renaming Mixed Numbers with Improper Fractions

Sometimes, when you work a mathematics problem, you get an answer that has a mixed number with an improper fraction. Remember, an improper fraction is more than 1. You may have to rename the fraction to a whole number and improper fraction.

Example: Rename $13\frac{7}{2}$.

Step 1: Think of the mixed number with an improper fraction as the sum of two parts of the answer. Separate the two parts. $13\frac{7}{2} = 13 + \frac{7}{2}$

Step 2: Rename the improper fraction. $\frac{7}{2} = 7 \div 2 = 3\frac{1}{2}$

Step 3: Add the parts. $13 + 3\frac{1}{2} = 16\frac{1}{2}$

$$13\frac{7}{2} = 16\frac{1}{2}$$

Rename these mixed numbers as whole numbers with proper fractions.

1.
$$13\frac{5}{2} =$$

2.
$$16\frac{15}{5} =$$

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

4.
$$11\frac{15}{10} =$$

5.
$$39\frac{12}{10} =$$

6
$$15\frac{15}{7} =$$

7.
$$28\frac{6}{5} =$$

8.
$$13\frac{7}{6} =$$

9.
$$26\frac{11}{5} =$$

10.
$$14\frac{18}{7} =$$

11.
$$19\frac{3}{2} =$$

12.
$$23\frac{5}{4} =$$

13.
$$33\frac{8}{6} =$$

14.
$$2\frac{7}{5} =$$

15.
$$13\frac{17}{16} =$$

16.
$$8\frac{16}{7} =$$

17.
$$15\frac{8}{2} =$$

18.
$$8\frac{9}{3} =$$

19.
$$9\frac{13}{10} =$$

20.
$$71\frac{22}{10} =$$

21.
$$9\frac{10}{2} =$$

22.
$$12\frac{8}{7} =$$

23.
$$16\frac{11}{7} =$$

24.
$$6\frac{9}{8} =$$

033 Math Practice

Math PRACTICE in SCIENCE

Adding Fractions with Like Denominators

Adding fractions and mixed numbers is much like adding whole numbers. You add the whole numbers, add the numerators, and keep the same denominator.

Examples:

$$2\frac{2}{5} + 4\frac{1}{5} - 6\frac{3}{5}$$

Step 1:

Add the whole-number portions.

$$2 + 4 = 6$$

$$\frac{4\frac{1}{5}}{6\frac{3}{5}}$$

Step 2:

Add the numerators. 2 + 1 = 3

Step 3:

The new numerator is 3.

The denominator remains the same, 5.

$$3\frac{5}{6} + 5\frac{4}{6} = 9\frac{1}{2}$$

Step 1:

Add the whole-number portions.

$$3 + 5 = 8$$

Step 2:

Add the numerators. 5 + 4 = 9

Step 3:

The sum $8\frac{9}{6}$ can be renamed to $9\frac{1}{2}$.

Add these fractions. Rename your answer in lowest terms.

1.

$$\frac{2}{7} + \frac{3}{7}$$

2.

$$\frac{3}{11} + \frac{4}{11}$$

3.

$$+\frac{8}{13}$$

4

$$\frac{3}{15}$$
 + 6 $\frac{5}{15}$

5

6.

$$6\overline{13} + 5\frac{3}{13}$$

7

$$9\frac{1}{13}$$
 $+10\frac{9}{13}$

8.

$$+\frac{6}{7}$$

9.

$$+\frac{13}{15}$$

10

0.
$$8\frac{18}{18}$$

11.

$$8\frac{1}{5}$$
 + $2\frac{4}{5}$

12

$$7\frac{7}{16} + 1\frac{1}{16}$$

13

14

$$+\frac{2}{12}$$

15

$$3. ext{ } 0 \frac{15}{15}$$
 $+ 3 \frac{4}{15}$