

Mixed numbers

worksheet



1. Circle the following fractions that are improper.

$$\frac{7}{8}$$

$$\frac{4}{3}$$

$$\frac{6}{3}$$

$$\frac{15}{2}$$

$$\frac{1}{4}$$

2. Match the improper fraction with the corresponding mixed number.

$$\frac{9}{4}$$

$$\frac{35}{4}$$

$$\frac{62}{8}$$

$$\frac{135}{12}$$

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

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

$$2\frac{1}{4}$$

$$8\frac{3}{4}$$

3. Complete the mixed number operation.

$$5\frac{3}{8} + 2\frac{3}{4} =$$

$$8\frac{1}{8}$$

$$2\frac{3}{7} - 5\frac{4}{5} =$$

$$-3\frac{13}{35}$$

4. Put the fractions in order from least to greatest.

$$\frac{4}{15}, \frac{7}{8}, \frac{5}{20}, \frac{2}{3}, \frac{6}{7}$$

$$\frac{5}{20}, \frac{4}{15}, \frac{2}{3}, \frac{6}{7}, \frac{7}{8}$$

5. True or False?

I. 4,056 minutes is equivalent to 67 hours and 6 minutes.

False. 4,056 minutes is equivalent to 67 hours and 36 minutes.

II. If you walk a distance of 3 yards, 4 feet, and 2 inches, and then walk another 5 yards, 9 feet, and 10 inches, in total you've walked 12 yards and 2 feet.

True. The sum of the distances is 12 yards and 2 feet.

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KEY POINTS

Improper fractions

Mixed number

Converting mixed numbers to improper fractions

Add/Subtract mixed numbers

Multiplying mixed numbers

Dividing mixed numbers

Mixed measures

NOTES

A fraction whose numerator is greater than the denominator. Ex: $\frac{7}{4}$.

An integer and a proper fraction. Ex: $1\frac{3}{4}$.

Multiply the denominator of the fraction by the integer, then add the product to the fraction's numerator. Write that result on top of the original denominator. Ex:

$$2\frac{1}{4} = \frac{(4 \times 2) + 1}{4} = \frac{9}{4}.$$

Combine whole numbers and combine fractions. Recall, a common denominator is needed to add or subtract fractions.

Convert mixed numbers into improper fractions, then multiply numerators and denominators.

Convert mixed numbers into improper fractions, then multiply the first fraction by the reciprocal of the second fraction.

Measurements like hours, minutes, seconds, yards, feet, inches, etc.