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Understanding Mixed Numbers

To make mixed numbers, a whole number and a fraction are combined.

You can count by 4 in a number one at a time, for instance.

You can see that 1 3/4 is there [6] or [5].

A mixed number has a whole number part and a fraction part.

Any fraction, such as 1/2, has a numerator. The denominator is 1, i.e., 1/2.

Some Practice

1. Change a mixed number to an improper fraction, first multiply the whole number by the denominator, and then add the numerator.

2. Change the improper fraction to a mixed number by dividing the numerator by the denominator.

3. Write the greatest common factor.

4. Write as an improper fraction.

5. Write as a mixed number.

6. Write as a mixed number.

7. Write as a mixed number.

8. Write as a mixed number.

9. Write as a mixed number.

10. Write as a mixed number.

Sometimes you need to change an improper fraction, such as 3/2, to a mixed number. Divide the numerator (3) by the denominator (2), and then add the fraction.

To change a mixed number to an improper fraction, first multiply the whole number by the denominator, and then add the numerator. Try it for 1 3/4.

When comparing mixed numbers, compare the whole numbers first. Then compare the fractions, if necessary.

Which is greater? 3 3/4 or 3 2/3.

Mixed Review

Estimates:

1. 3 = 27
2. 497 = 13
3. 315 = 148
4. 12,800 = 27,303
5. 4,771 = 236
6. 1,085 x 2,903 = 9,891 x 2,123
7. 908 x 3 = 67,174
8. 57 x 124 = 343 x 294
9. 108 + 16 = 108

Logical Reasoning: The GCF of two numbers is 32, and the LCM is 120. What are the numbers?

Mark said he is 10 years old. Rachel said she is 10 years old. Mark is 32 years old. Who is older?

Table Criticalness: Analyze Explain your reasoning.

How would you rewrite the number 3 as an improper fraction? Are there more than one improper fraction that you can write?
SPORTS