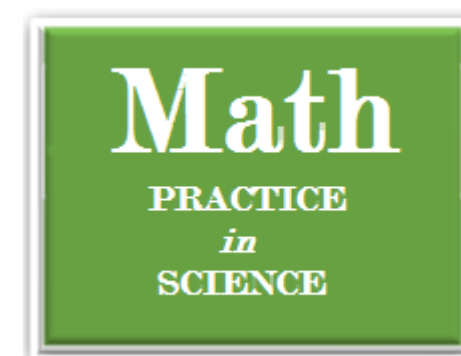# 030 Math Practice

Mixed Numbers to Improper Fractions

Mixed numbers are numbers that contain a whole number and a fraction. $5\frac{2}{3}$ is a mixed number.

Sometimes, math problems that contain mixed numbers have to be changed to a new form before you complete the mathematics involved. This new form is called an improper fraction. An improper fraction is more than 1. $\frac{15}{3}$, $\frac{8}{6}$, $\frac{30}{27}$ are improper fractions.

An improper fraction has a larger number in the numerator than in the denominator.

Example: Express $5\frac{2}{3}$ as an improper fraction.

To change a mixed number to an improper fraction, follow these steps:

Step 1:   Multiply the denominator by the whole number. $3 \times 5 = 15$

Step 2:   Add the product to the numerator. $15 + 2 = 17$

Step 3:   Write the sum over the denominator. $\frac{17}{3}$

Write these mixed numbers as improper fractions.

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

2. $5\frac{1}{3} =$

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

4. $6\frac{3}{5} =$

5. $3\frac{2}{3} =$

6. $4\frac{1}{5} =$

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

8. $6\frac{1}{2} =$

9. $5\frac{2}{5} =$

10. $8\frac{1}{7} =$

11. $8\frac{3}{9} =$

12. $3\frac{2}{12} =$

13. $6\frac{2}{11} =$

14. $14\frac{1}{2} =$
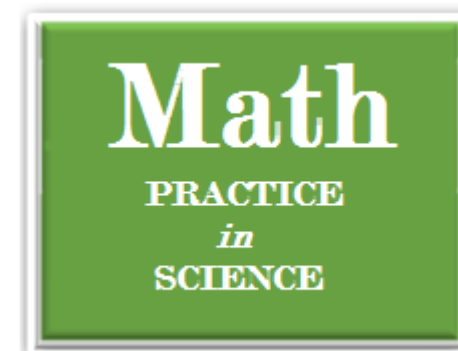
15. $9\frac{3}{10} =$

16. $12\frac{2}{12} =$

17. $6\frac{7}{10} =$

18. $8\frac{5}{11} =$

19. $1\frac{3}{5} =$

20. $7\frac{4}{5} =$

031 Math Practice
Improper Fractions to Mixed Numbers

In some mathematical problems, you have to change improper fractions to mixed numbers.
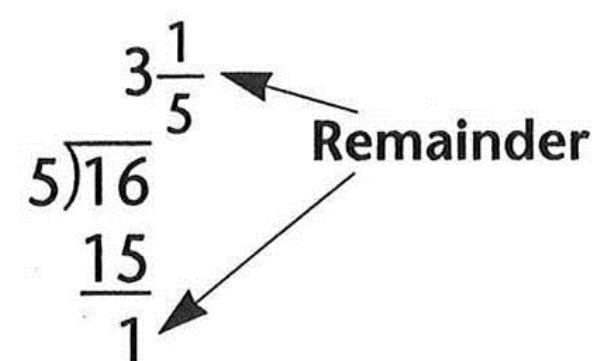
Example: Rename $\frac{16}{5}$ as a mixed number.

In order to change an improper fraction to a mixed number, follow these steps:

Step 1:   Divide the numerator by the denominator.

Step 2:   Put the remainder over the denominator to make a fraction.

Step 3:   Write your answer as a mixed number. $\frac{16}{5} = 3\frac{1}{5}$

$$3\frac{1}{5}$$
$$5\overline{)16}$$
$$\underline{15}$$
$$1$$

← Remainder

Examples: $\frac{18}{3} = 6$ $\frac{25}{3} = 8\frac{1}{3}$ $\frac{32}{7} = 4\frac{4}{7}$

Rename these improper fractions as mixed numbers.

1. $\frac{28}{11} =$

2. $\frac{38}{2} =$

3. $\frac{39}{2} =$

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

5. $\frac{19}{5} =$

6. $\frac{16}{5} =$

7. $\frac{29}{8} =$

8. $\frac{53}{11} =$

9. $\frac{34}{10} =$

10. $\frac{37}{5} =$

11. $\frac{42}{7} =$

12. $\frac{46}{7} =$

13. $\frac{80}{10} =$

14. $\frac{53}{10} =$

15. $\frac{25}{7} =$

16. $\frac{22}{4} =$

17. $\frac{32}{15} =$

18. $\frac{29}{17} =$

19. $\frac{36}{9} =$

20. $\frac{51}{17} =$

21. $\frac{63}{8} =$

22. $\frac{59}{12} =$

23. $\frac{40}{6} =$

24. $\frac{72}{9} =$

25. $\frac{71}{10} =$

26. $\frac{35}{6} =$

27. $\frac{81}{9} =$

28. $\frac{43}{13} =$

29. $\frac{31}{11} =$

30. $\frac{7}{2} =$