

Name: Class:

Convert decimals to mixed numbers.

1. Convert **5.42** to a mixed number
2. Convert **3.625** to a mixed fraction
3. Convert **7.04** to a mixed fraction
4. Convert **35.520** to a mixed fraction
5. Convert **6.02** to a mixed fraction
6. Convert **7.02** to a mixed number
7. Convert **1.132** to a mixed fraction
8. Convert **9.15** to a mixed fraction
9. Convert **23.121** to a mixed fraction
10. Convert **3.14** to a mixed fraction
11. Convert **9.99** to a mixed fraction

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1. Convert 5.42 to a mixed number

Let's first of all rewrite the decimal as a fraction

$$5.42 = \frac{5.42}{1}$$

Secondly, let's multiply the top and bottom by 10^2 since it has 2 decimal places.

$$\frac{5.42}{1} \times \frac{10^2}{10^2} = \frac{5.42 \times 100}{1 \times 100} = \frac{542}{100}$$

Finally, we simplify the improper fraction.

$$\frac{542}{100} = \frac{271 \times 2}{50 \times 2} = \frac{271}{50} = 50 \overline{) 271}$$

$$\begin{array}{r} 5 \\ 50 \overline{) 271} \\ \underline{- 250} \\ 21 \end{array}$$

$$5 \frac{21}{50}$$

2. Convert 3.625 to a mixed fraction

$$3 \frac{5}{8}$$

3. Convert 7.04 to a mixed fraction

$$7 \frac{1}{25}$$

4. Convert 35.520 to a mixed fraction

$$35 \frac{13}{25}$$

5. Convert 6.02 to a mixed fraction

$$6 \frac{1}{50}$$