

Name: Class:

Convert mixed numbers to decimals

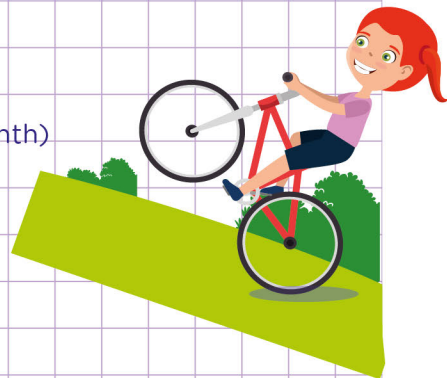
a. Convert $12\frac{7}{8}$ to a decimal.



b. Convert $10\frac{5}{8}$ to a decimal.

c. Convert $2\frac{99}{200}$ to a decimal.

d. Convert $50\frac{521}{2985}$ to a decimal. (Round your answer to the nearest tenth)



e. Convert $17\frac{5}{400}$ to a decimal. (Round your answer to the nearest thousandth)

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a. Convert $12\frac{7}{8}$ to a decimal.

Let's convert the fraction to a decimal.

$$12 + \frac{7}{8} \quad \begin{array}{r} 0.875 \\ 8 \overline{) 7.000} \\ \underline{- 64} \\ 60 \\ \underline{- 56} \\ 40 \\ \underline{- 40} \\ 0 \end{array}$$

Then, let's add this decimal number to the whole number part of the mixed number

$$12 + \frac{7}{8} = 12 + 0.875 = 12.875$$

$$\text{So, } 12\frac{7}{8} = 12.875$$

b. Convert $10\frac{5}{8}$ to a decimal.

10.625

c. Convert $2\frac{99}{200}$ to a decimal.

2.495

d. Convert $50\frac{521}{2985}$ to a decimal. (Round your answer to the nearest tenth)

50.2

e. Convert $17\frac{5}{400}$ to a decimal. (Round your answer to the nearest thousandth)

17.013

