

Name: ..... Class: .....



# Convert fractions to decimals

a. Write the following fractions as a decimal number. (follow the example).

|                |    |                                                                                                                                                                                                    |                 |
|----------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| $\frac{9}{12}$ | 12 | <div style="display: inline-block; border: 1px solid black; padding: 5px;"> <math display="block">\begin{array}{r} 0.75 \\ 9.00 \\ - 84 \\ \hline 60 \\ - 60 \\ \hline 0 \end{array}</math> </div> | $\frac{15}{30}$ |
|                |    | <div style="border: 1px solid red; padding: 5px; display: inline-block;"> <math>\frac{9}{12} = 0.75</math> </div>                                                                                  |                 |

|                |  |  |                |
|----------------|--|--|----------------|
| $\frac{26}{5}$ |  |  | $\frac{34}{4}$ |
|----------------|--|--|----------------|



Convert each fraction to a decimal number and choose the correct answer.

b.  $3/11$  into a decimal number ? (your answer should be to the nearest tenths).

- ☐ 0.3
 ☐ 0.2
 ☐  $0.\overline{27}$ 
☐ 0.273

c.  $22/27$  into a decimal number ? (your answer should be to the nearest thousandths).

- ☐ 0.814
 ☐ 0.8148
 ☐ 0.815
 ☐ 0.81

d.  $8/100$  into a decimal number ? (your answer should be to the nearest tenths).

- ☐ 0.08
 ☐ 0.081
 ☐ 0
 ☐ 0.1

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a. Write the following fractions as a decimal number. (follow the example).

$$\begin{array}{r} \frac{9}{12} \\ 12 \overline{) 9.00} \\ \underline{- 84} \phantom{00} \\ 60 \\ \underline{- 60} \\ 0 \end{array}$$

$$\frac{9}{12} = 0.75$$

$$\begin{array}{r} \frac{15}{30} \\ 30 \overline{) 15.0} \\ \underline{- 15} \\ 00 \end{array}$$

$$\frac{15}{30} = 0.5$$

$$\begin{array}{r} \frac{26}{5} \\ 5 \overline{) 26.0} \\ \underline{- 25} \phantom{00} \\ 10 \\ \underline{- 10} \\ 0 \end{array}$$

$$\frac{26}{5} = 5.2$$

$$\begin{array}{r} \frac{34}{4} \\ 4 \overline{) 34.0} \\ \underline{- 32} \phantom{00} \\ 20 \\ \underline{- 20} \\ 0 \end{array}$$

$$\frac{34}{4} = 8.5$$



Convert each fraction to a decimal number and choose the correct answer.

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☒  $0.\overline{27}$ 
☐ 0.273

c.  $\frac{22}{27}$  into a decimal number ? (your answer should be to the nearest thousandths).

☐ 0.814

☐ 0.8148

☒ 0.815

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d.  $\frac{8}{100}$  into a decimal number ? (your answer should be to the nearest tenths).

☒ 0.08

☐ 0.081

☐ 0

☐ 0.1