

HW: 1-2 MathXL for School Additional Practice  
(on Google Classroom)

**Warm up**

Evaluate. Express your answer as a decimal.

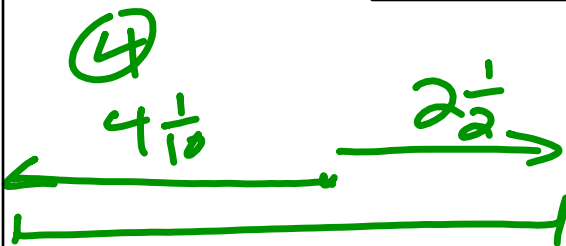
$$98 \div 8$$

The image shows a handwritten long division problem for  $98 \div 8$ . The dividend is 98.000 and the divisor is 8. The quotient is written as 12.25. The steps are as follows:

- 8 goes into 9 one time, with a remainder of 1.
- Bring down the 8 to make 18. 8 goes into 18 two times, with a remainder of 2.
- Bring down the 0 to make 20. 8 goes into 20 two times, with a remainder of 4.
- Bring down the next 0 to make 40. 8 goes into 40 five times, with a remainder of 0.

The final answer, 12.25, is circled in green.

## HW Solutions



$$\begin{aligned} 2\frac{1}{2} + 4\frac{1}{10} \\ \frac{5}{2} + \frac{41}{10} \\ \frac{25}{10} + \frac{41}{10} = \frac{66}{10} \\ 6\frac{6}{10} = 6\frac{3}{5} \text{ mi} \end{aligned}$$

②

$$\frac{5}{8} \cdot \frac{1}{2} = \frac{5}{16} \text{ of the pizza}$$

$$\frac{5}{8} \div \frac{1}{2}$$

$$\frac{5}{8} \div \frac{1}{2} = \frac{5}{8} \cdot \frac{1}{2}$$

①

$$\frac{3}{8} \cdot .15$$

$$\frac{3}{8} \cdot \frac{15}{100} = \frac{45}{800} = 5 \frac{5}{8} \text{ in}$$



Convert the following decimals into fractions.

$$1) 0.6 \quad \frac{6}{10} = \frac{3}{5}$$

$$2) 0.43 \quad \frac{43}{100}$$

$$3) 2.51 \quad \frac{251}{100} = 2 \frac{51}{100}$$

$$4) -5.773 \quad -5 \frac{773}{1000}$$

How do you convert a fraction into a decimal?

$$\begin{array}{r} 0.8 \\ 5 \overline{) 4.0} \\ \underline{-40} \\ 0 \end{array}$$

$$\frac{4}{5} = 0.8$$





Convert the following fractions into decimals.

1)  $\frac{1}{6}$

2)  $\frac{6}{32}$

3)  $4\frac{7}{8}$

4)  $-1\frac{4}{9}$

$$1) \frac{1}{6}$$

$$0.1\overline{66}$$

$$\begin{array}{r} .166 \\ 6 \overline{) 1.000} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 40 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-36} \phantom{0} \phantom{0} \phantom{0} \\ 40 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-36} \phantom{0} \phantom{0} \phantom{0} \\ 4 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

$$2) \frac{6}{32}$$

$$\begin{array}{r} 1 \\ \times 32 \\ \hline 256 \end{array}$$

$$\begin{array}{r} 1 \\ \times 32 \\ \hline 224 \end{array}$$

$$0.1875$$

$$32 \overline{) 6.0000}$$

$$\begin{array}{r} -32 \downarrow \\ \hline 280 \\ -256 \downarrow \\ \hline 240 \\ -224 \downarrow \\ \hline 160 \\ -160 \\ \hline 0 \end{array}$$

3)  $4\frac{7}{8}$

4.

$$\begin{array}{r}
 \underline{4.875} \\
 8 \overline{) 7.000} \\
 \underline{-64} \phantom{00} \\
 60 \phantom{0} \\
 \underline{-56} \phantom{0} \\
 40 \\
 \underline{-40} \\
 0
 \end{array}$$

$$4) -1\frac{4}{9}$$

$$\textcircled{-1.\overline{44}}$$

$$\begin{array}{r} 0.44 \\ 9 \overline{)4.00} \\ \underline{-36} \phantom{0} \\ 40 \\ \underline{-36} \\ 4 \end{array}$$

How do you multiply and divide decimals?

