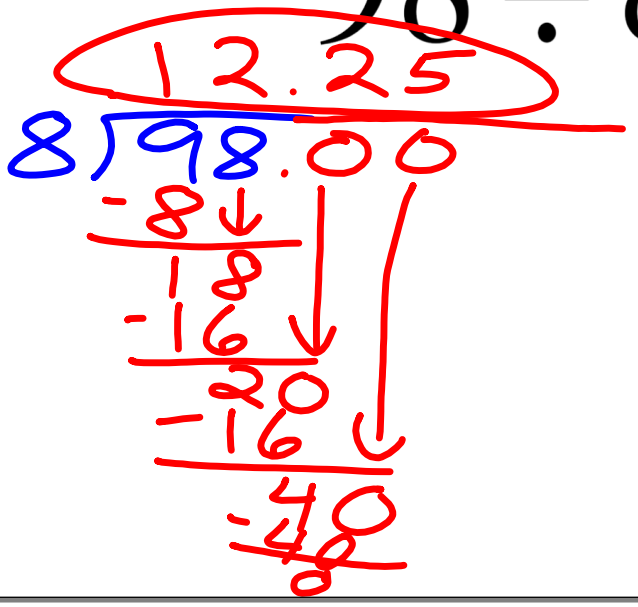
October 11, 2021

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

Warm up

Evaluate. Express your answer as a decimal.

$$98 \div 8$$



HW Solutions

3 $\frac{5}{8} \cdot \frac{1}{2} = \frac{5}{16}$ of the pizza

(5) $14\frac{5}{8} - 3\frac{3}{16}$

$\frac{117}{8} - \frac{51}{16}$

$\frac{234}{16} - \frac{51}{16} = \frac{183}{16} = 11\frac{7}{16}$ in

$16\overline{)183}$ R 7

-16

23

-16

7

$234 - 51 = 183$

$2\frac{1}{2} + 4\frac{1}{10}$

$\frac{5}{2} + \frac{41}{10}$

$\frac{25}{10} + \frac{41}{10} = \frac{66}{10} = 6\frac{6}{10} = 6\frac{3}{5}\text{ mi}$

Convert the following decimals into fractions.

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

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

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

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

How do you convert a fraction into a decimal?

$4 \div 5$

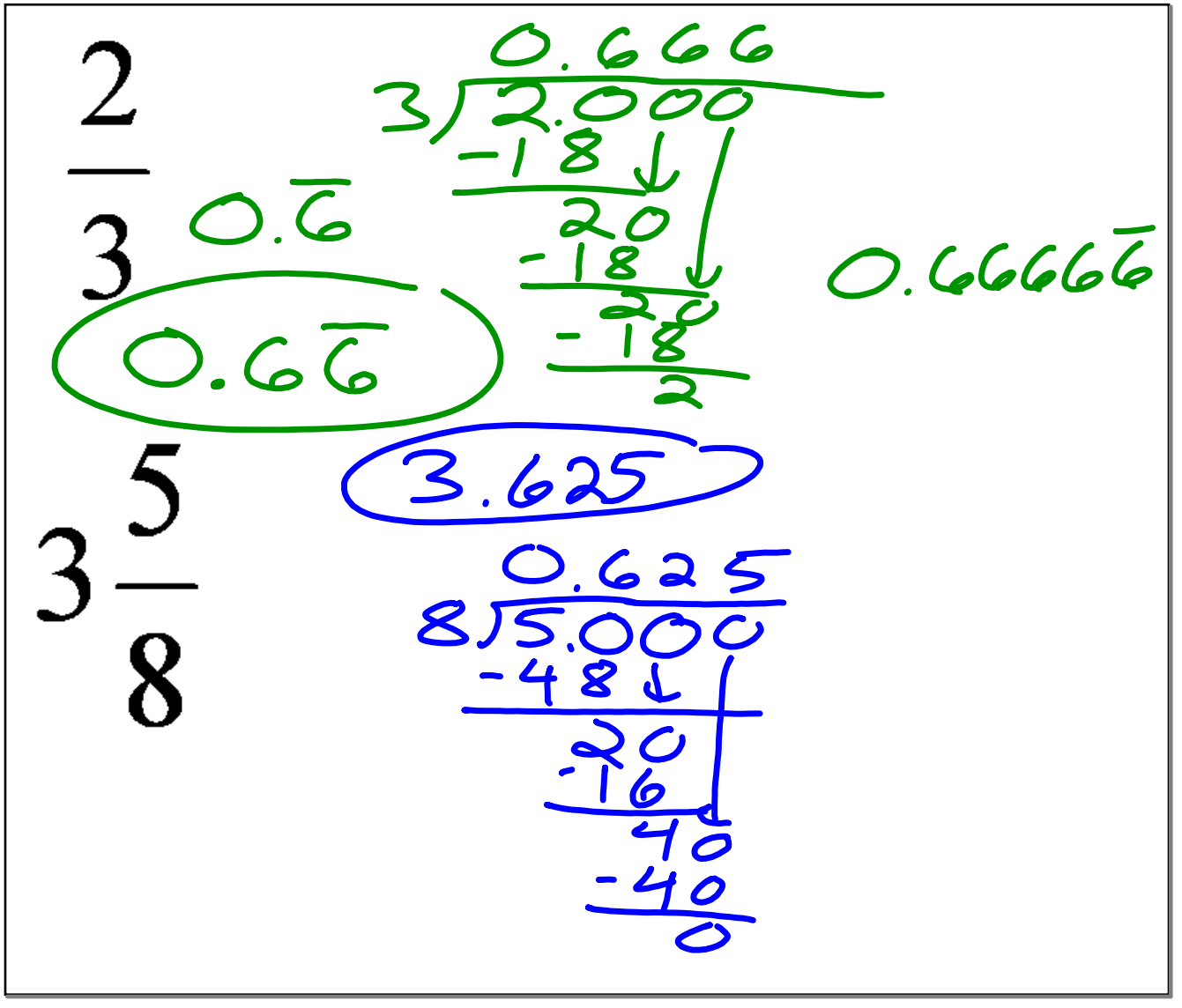
$$5\overline{)4.0}$$

-40

0

0.8

$$\frac{4}{5}$$


2/3
0.6̄
0.66̄
0.666
3⟌2.000
-18
20
-18
2
0.66666̄
3 5/8
3.625
0.625
8⟌5.000
-48
20
-16
40
-40
0

$0.23423423423\ldots$

$0.2\overline{342}$

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) $\frac{1}{6}$

$$
\begin{array}{r}
0.166 \\
6\overline{)1.000} \\
-\ 6\downarrow \\
\hline
40 \\
-\ 36 \\
\hline
40 \\
-\ 36 \\
\hline
4
\end{array}
$$

$0.1\overline{66}$

$0.1\overline{6}$

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

0.1875

32 | 6.0000

- 32
280
- 256
240
- 224
160
- 160
0

1 32 × 8 = 256

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

4.875

$$
\begin{array}{r}
0.875 \\
8\overline{)7.000} \\
-64 \\
\hline
60 \\
-56 \\
\hline
40 \\
-40 \\
\hline
0
\end{array}
$$

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

-1.44

$$
\begin{array}{r}
0.44 \\
9\overline{)4.00} \\
-36\downarrow \\
\hline
40 \\
-36 \\
\hline
4
\end{array}
$$

How do you multiply and divide decimals?

7.26×3.1

$$
\begin{array}{r}
{\scriptstyle 1} \\
7.26 \\
\times \quad 3.1 \\
\hline
{\scriptstyle 1}\ 7\ 2\ 6 \\
2\ 1\ 7\ 8\ 0 \\
\hline
22.5\ 0\ 6
\end{array}
$$

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