Corner Brook Intermediate

Math 7

Unit 3: Fractions, Decimals and Percents

Dividing Decimals

Note: Get rid of the decimal in the **divisor**.
Whatever you do to the **divisor** you must do to the **dividend**.

12 ÷ 3 = 4
Dividend Divisor Quotient

Example (1): 1243 ÷ 0.3

move the decimal from here!
move it once place to the right.

```
   414.3
3)1243.0
 -12
  04
  -3
   13
  -12
    10
    -9
     1R
```

Example (2): 18 ÷ 1.2

```
   15
12)180
  -12
   60
  -60
    0R
```

Example (3): $79.625 \div 25$

$$\begin{array}{r} 31.85 \\ 25\overline{)796.25} \\ -75 \\ \hline 46 \\ -25 \\ \hline 212 \\ -200 \\ \hline 125 \\ -125 \\ \hline 0 \end{array}$$

OR

b)
$$\begin{array}{r} 120 \\ 6\overline{)720} \\ -6 \\ \hline 12 \\ -12 \\ \hline 00 \\ -0 \\ \hline 0 \end{array}$$

OR

a) $6.4 \div 0.8$

$$\begin{array}{r} 8 \\ 8\overline{)64} \\ -64 \\ \hline 0 \end{array}$$

OR

b) $720 \div 0.6$

c) $1.2 \div 0.4$

$$\begin{array}{r} 3 \\ 4\overline{)12} \\ -12 \\ \hline 0 \end{array}$$

OR

d) $24.75 \div 1.5$

$$\begin{array}{r} 1.65 \\ 15\overline{)24.75} \\ -15 \\ \hline 97 \\ -90 \\ \hline 75 \\ -75 \\ \hline 0 \end{array}$$

OR