

**Rules**

- When dividing by decimals, change the divisor into a whole number. To do this, multiply both the divisor and the dividend by the same power of 10.
- Then, divide as with whole numbers.

**Zeros in the Quotient and Dividend**

- Line up the numbers by place value as you divide. Annex ZEROS in the quotient in order to keep digits with the correct place value. Annex zeros in the dividend to continue dividing after the decimal point.

**Guided Practice: Divide.**

1.)  $3.69 \div 0.3$

$$\begin{array}{r} 12.3 \\ 0.3 \overline{) 3.69} \\ \underline{-3} \phantom{0} \\ 06 \\ \underline{-6} \\ 09 \\ \underline{-9} \\ 0 \end{array}$$

12.3

2.)  $0.0338 \div 1.3$

$$\begin{array}{r} 00.026 \\ 1.3 \overline{) 0.0338} \\ \underline{-26} \phantom{0} \\ 78 \\ \underline{-78} \\ 0 \end{array}$$

0.026

3.)  $2.943 \div 2.7$

$$\begin{array}{r} 1.09 \\ 2.7 \overline{) 2.943} \\ \underline{-27} \phantom{0} \\ 243 \\ \underline{-243} \\ 0 \end{array}$$

1.09

- 4.) Alicia bought 6.75 yards of fleece fabric to make blanket for a charity. She needs 1.85 yards of fabric for each blanket. How many blankets can Alicia make with the fabric she bought?

$$\begin{array}{r} 3 \\ 1.85 \overline{) 6.750} \\ \underline{-5.55} \phantom{0} \\ 1.200 \\ \underline{-1.155} \\ 450 \\ \underline{-450} \\ 0 \end{array}$$

Alicia can make 3 whole blankets.

**Building on the Essential Question** - When is it helpful to round the quotient to the nearest hundredth?

It is helpful to round the quotient to the nearest hundredth when dealing with money.

**Rate Yourself** - Are you ready to move on? Shade the section that applies.

YES  ?  NO

Rate yourself!