

Dividing By Decimals – Equivalent Expressions

When we are asked to divide by a decimal we should first write an equivalent calculation with a whole number divider.

$$\frac{57.23}{0.8} = \frac{572.3}{8}$$

×10
×10

We can then find an approximate answer:

$$572.3 \div 8 \approx 560 \div 8 = 70$$

Create an Equivalent Expression and then Estimate by Rounding.

$$341.5 \div 0.5 = \quad \div 5 \quad \text{Estimate} \quad \div 5 =$$

$$241.7 \div 0.3 = \quad \div 3 \quad \text{Estimate} \quad \div 3 =$$

$$394.9 \div 0.7 = \quad \div 7 \quad \text{Estimate} \quad \div 7 =$$

$$365.34 \div 0.4 = \quad \div 4 \quad \text{Estimate} \quad \div 4 =$$

$$341.62 \div 0.5 = \quad \div 5 \quad \text{Estimate} \quad \div 5 =$$

$$131.1 \div 0.03 = \quad \div 3 \quad \text{Estimate} \quad \div 3 =$$

$$35.52 \div 0.06 = \quad \div 6 \quad \text{Estimate} \quad \div 6 =$$

$$341.76 \div 0.07 = \quad \div 7 \quad \text{Estimate} \quad \div 7 =$$

$$41.5 \div 0.04 = \quad \div 4 \quad \text{Estimate} \quad \div 4 =$$

$$421.5 \div 0.05 = \quad \div 5 \quad \text{Estimate} \quad \div 5 =$$

$$\begin{array}{r} \cdot \\ 7 \overline{) 163.52} \end{array}$$

$$16.352 \div 0.7 =$$

$$4 \overline{) 193.56}$$

$19.356 \div 0.4 =$

$$5 \overline{) 193.55}$$

$1.9355 \div 0.05 =$

$$3 \overline{) 1937.1}$$

$19.371 \div 0.03 =$

$$6 \overline{) 7937.4}$$

$79.374 \div 0.06 =$