

# MathFLIX CHALLENGE

## Comparing Division vs. Square Root

For each problem below, fill in whole numbers to make the statement correct. Circle the division problem that is equivalent to the square root.

Division	Square Roots
$1\overline{)16}$ $2\overline{)16}$ $4\overline{)16}$ $8\overline{)16}$ $16\overline{)16}$	$\sqrt{16} = 4$
$1\overline{)36}$ $2\overline{)36}$ $3\overline{)36}$ $4\overline{)36}$ $6\overline{)36}$ $9\overline{)36}$ $12\overline{)36}$ $18\overline{)36}$ $36\overline{)36}$	$\sqrt{36} = \underline{\hspace{1cm}}$
$1\overline{)64}$ $2\overline{)64}$ $4\overline{)64}$ $8\overline{)64}$ $16\overline{)64}$ $32\overline{)64}$ $64\overline{)64}$	$\sqrt{64} = \underline{\hspace{1cm}}$
$1\overline{)25}$ $5\overline{)25}$ $\overline{)25}$	$\sqrt{25} = \underline{\hspace{1cm}}$

Estimate the decimal square roots for the following irrational numbers based on what you know about  $\sqrt{9}$  and  $\sqrt{16}$ .

$$\sqrt{9} = 3.000$$

$$\sqrt{10} = 3.\underline{\hspace{1cm}}$$

Try  $3.12 \cdot 3.12$

$$\sqrt{11} = 3.\underline{\hspace{1cm}}$$

$$\sqrt{12} = 3.\underline{\hspace{1cm}}$$

$$\sqrt{13} = 3.\underline{\hspace{1cm}}$$

$$\sqrt{14} = 3.\underline{\hspace{1cm}}$$

$$\sqrt{15} = 3.\underline{\hspace{1cm}}$$

$$\sqrt{16} = 4.000$$