

## Solving Mult/Div. Equations

- Still fold paper, still use 5 steps + graph
- To check → go back to original problem (order matters)

1) 1.  $\frac{1}{5}n = \frac{35}{5}$  ← frac. shows  
2.  $\frac{1}{5} = \frac{5}{5}$  bar ∴  
3.  $n = 7$   
4.  $\checkmark 5 \cdot 7 = 35$   
5.  $35 = 35$

$5 \overline{) 35} \begin{array}{r} 7 \\ \end{array}$

$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$

$\leftarrow \begin{array}{c} | \quad | \quad | \\ 6 \quad 7 \quad 8 \end{array} \rightarrow$

$$\begin{array}{l}
 2) \quad 1 \quad \overline{12} p = 48 \\
 2 \quad \overline{12} = 12 \\
 3 \quad \boxed{p = 4} \\
 4 \quad \checkmark 12 \cdot 4 = 48 \\
 5 \quad 48 = 48
 \end{array}$$



$$\begin{array}{r}
 4 \\
 12 \overline{) 48} \\
 \underline{-48} \\
 0
 \end{array}
 \qquad
 \begin{array}{r}
 12 \\
 \times 4 \\
 \hline
 48
 \end{array}$$

$$\begin{array}{l}
 3) \quad 1 \quad \overline{28} = 7a \\
 2 \quad \overline{7} = 7 \\
 3 \quad \boxed{4 = a} \\
 4 \quad \checkmark 28 = 7 \cdot 4 \\
 5 \quad 28 = 28
 \end{array}$$



$$\begin{array}{r}
 4 \\
 7 \overline{) 28} \\
 \underline{-28} \\
 0
 \end{array}
 \qquad
 \begin{array}{r}
 4 \\
 \times 7 \\
 \hline
 28
 \end{array}$$

4)  $1 \cdot 2 \cdot 4 \cdot s = 8 \cdot 4$

3  $s = 32$

4  $\sqrt{32} = 8$

5  $\frac{32}{4} = 8$



31 32 33

5)  $1 \cdot 2 \cdot r = 2 \cdot 2$

3  $r = 4$

4  $\sqrt{4} = 2$

5  $\frac{4}{2} = 2$



0 4 8

$$\begin{array}{r} 8 \\ 4 \overline{) 32} \\ \underline{-32} \\ 0 \end{array}$$

$$\begin{array}{r} 2 \\ 2 \overline{) 4} \\ \underline{-4} \\ 0 \end{array}$$

6) <sup>1</sup>~~3~~  $m = 17 \cdot 3$

3  $m = 51$

4  $\sqrt{\frac{51}{3}} = 17$

5  $17 = 17$



<sup>2</sup>  
17  
 $\times 3$   
51

$\sqrt{51}$   
3  $\overline{)51}$   
-3  
21  
-21  
0











