



Learn a new puzzle

Missing Digits

Write the missing digits so the math is right.

Trick: Start at the ones**1**

$$\begin{array}{r}
 \\
 \\
 \\
 \hline

 \end{array}$$

Diagram 1: A 3x3 grid representing a number. The top row has a dashed box, 0, and 4. The middle row has +, 4, 0, and a circled 7. The bottom row has 5, a dashed box, and 1.

2

$$\begin{array}{r}
 \\
 \\
 \\
 \hline

 \end{array}$$

Diagram 2: A 3x3 grid representing a number. The top row has a dashed box, 0, and 4. The middle row has +, 4, 0, and 7. The bottom row has 5, a circled 1, and 1.

3

$$\begin{array}{r}
 \\
 \\
 \\
 \hline

 \end{array}$$

Diagram 3: A 3x3 grid representing a number. The top row has a circled 1, 0, and 4. The middle row has +, 4, 0, and 7. The bottom row has 5, 1, and 1.

Ones: $4 + ?$ ends in 1. $4 + 7 = 11$: write 7, carry 1.Tens: $1 + 0 + 0 = 1$. Write 1.Hundreds: $? + 4 = 5$, no carry. $5 - 4 = 1$.**Try it**

$$\begin{array}{r}
 \\
 \\
 \\
 \hline

 \end{array}$$

Diagram 4: A 3x3 grid representing a number. The top row has 7, 1, and a dashed box. The middle row has +, a dashed box, 9, and 8. The bottom row has 1, 3, a dashed box, and 9.

b

$$\begin{array}{r}
 \\
 \\
 \\
 \hline

 \end{array}$$

Diagram 5: A 3x3 grid representing a number. The top row has 4, 0, and a dashed box. The middle row has -, a dashed box, 6, and 1. The bottom row has 1, a dashed box, and 8.

The answer is with the other answers.

Talk about it: Ask: Where did you need a carry? How did you know?



1 Missing Digits Write the missing digits so the math is right.



a

$$\begin{array}{r} 8 \\ + 9 0 \\ \hline 1 7 \end{array}$$

b

$$\begin{array}{r} 1 \\ + 7 5 \\ \hline 1 3 \end{array}$$

2 Missing Digits Write the missing digits so the math is right.



a

$$\begin{array}{r} 2 2 \\ + 0 \\ \hline 7 \end{array}$$

b

$$\begin{array}{r} 1 \\ + 0 \\ \hline 2 9 \end{array}$$

3 Missing Digits Write the missing digits so the math is right.



a

$$\begin{array}{r} 2 2 \\ + 5 \\ \hline 7 \end{array}$$

b

$$\begin{array}{r} 8 \\ + 2 0 \\ \hline 8 \end{array}$$

**4 Missing Digits** Write the missing digits so the math is right.

a

$$\begin{array}{r} \boxed{6} \boxed{5} \\ + \quad \boxed{} \boxed{1} \\ \hline \boxed{9} \boxed{} \end{array}$$

b

$$\begin{array}{r} \boxed{6} \boxed{} \\ + \quad \boxed{8} \boxed{3} \\ \hline \boxed{1} \boxed{} \boxed{6} \end{array}$$

5 Missing Digits Write the missing digits so the math is right.

a

$$\begin{array}{r} \boxed{} \boxed{3} \boxed{2} \\ - \boxed{1} \boxed{} \boxed{7} \\ \hline \boxed{2} \boxed{2} \boxed{} \end{array}$$

b

$$\begin{array}{r} \boxed{6} \boxed{} \boxed{6} \\ + \quad \boxed{5} \boxed{9} \boxed{} \\ \hline \boxed{} \boxed{2} \boxed{5} \boxed{4} \end{array}$$

6 Missing Digits Write the missing digits so the math is right.

a

$$\begin{array}{r} \boxed{9} \boxed{2} \boxed{} \\ - \boxed{1} \boxed{} \boxed{4} \\ \hline \boxed{} \boxed{4} \boxed{9} \end{array}$$

b

$$\begin{array}{r} \boxed{5} \boxed{} \boxed{1} \\ + \quad \boxed{5} \boxed{6} \boxed{4} \\ \hline \boxed{} \boxed{} \boxed{1} \boxed{5} \end{array}$$

**7 Missing Digits** Write the missing digits so the math is right.

a

$$\begin{array}{r} \boxed{} \boxed{6} \boxed{1} \\ - \boxed{6} \boxed{} \boxed{5} \\ \hline \boxed{3} \boxed{0} \boxed{} \end{array}$$

b

$$\begin{array}{r} \boxed{} \boxed{6} \boxed{7} \\ + \boxed{5} \boxed{} \boxed{8} \\ \hline \boxed{} \boxed{2} \boxed{3} \boxed{5} \end{array}$$

8 Missing Digits Write the missing digits so the math is right.

a

$$\begin{array}{r} \boxed{} \boxed{3} \\ \times \boxed{4} \\ \hline \boxed{} \boxed{1} \boxed{} \end{array}$$

b

$$\begin{array}{r} \boxed{} \boxed{1} \\ \times \boxed{9} \\ \hline \boxed{} \boxed{3} \boxed{} \end{array}$$

9 Missing Digits Write the missing digits so the math is right.

a

$$\begin{array}{r} \boxed{1} \boxed{} \boxed{1} \\ \times \boxed{8} \\ \hline \boxed{} \boxed{2} \boxed{8} \boxed{} \end{array}$$

b

$$\begin{array}{r} \boxed{3} \boxed{0} \boxed{} \\ \times \boxed{7} \\ \hline \boxed{} \boxed{1} \boxed{1} \boxed{4} \end{array}$$



10

Missing Digits Write the missing digits so the math is right.



a

$$\begin{array}{r} 31 \\ \times \\ \hline 16 \end{array}$$

b

$$\begin{array}{r} 31 \\ - 4 \\ \hline 48 \end{array}$$



Answers

 For grown-ups. Cut off or keep this page aside until the puzzles are done.

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$$\begin{array}{r} a \\ 711 \\ + 598 \\ \hline 1309 \end{array}$$

$$\begin{array}{r} b \\ 409 \\ - 261 \\ \hline 148 \end{array}$$

#1

$$\begin{array}{r} a \\ 88 \\ + 90 \\ \hline 178 \end{array}$$

$$\begin{array}{r} b \\ 61 \\ + 75 \\ \hline 136 \end{array}$$

a: $88 + 90 = 178$. b: $61 + 75 = 136$.

#2

$$\begin{array}{r} a \\ 22 \\ + 50 \\ \hline 72 \end{array}$$

$$\begin{array}{r} b \\ 19 \\ + 10 \\ \hline 29 \end{array}$$

a: $22 + 50 = 72$. b: $19 + 10 = 29$.

#3

$$\begin{array}{r} a \\ 22 \\ + 55 \\ \hline 77 \end{array}$$

$$\begin{array}{r} b \\ 68 \\ + 20 \\ \hline 88 \end{array}$$

a: $22 + 55 = 77$. b: $68 + 20 = 88$.

#4

$$\begin{array}{r} a \\ 65 \\ + 31 \\ \hline 96 \end{array}$$

$$\begin{array}{r} b \\ 63 \\ + 83 \\ \hline 146 \end{array}$$

a: $65 + 31 = 96$. b: $63 + 83 = 146$.

#5

$$\begin{array}{r} a \\ 332 \\ - 107 \\ \hline 225 \end{array}$$

$$\begin{array}{r} b \\ 656 \\ + 598 \\ \hline 1254 \end{array}$$

a: $332 - 107 = 225$. Don't forget the regrouping into the tens. b: $656 + 598 = 1254$. Don't forget the carry into the tens.

#6

$$\begin{array}{r} a \\ 923 \\ - 174 \\ \hline 749 \end{array}$$

$$\begin{array}{r} b \\ 551 \\ + 564 \\ \hline 1115 \end{array}$$

a: $923 - 174 = 749$. Don't forget the regrouping into the tens. b: $551 + 564 = 1115$. Don't forget the carry into the hundreds.

#7

$$\begin{array}{r} a \\ 961 \\ - 655 \\ \hline 306 \end{array}$$

$$\begin{array}{r} b \\ 667 \\ + 568 \\ \hline 1235 \end{array}$$

a: $961 - 655 = 306$. Don't forget the regrouping into the tens. b: $667 + 568 = 1235$. Don't forget the carry into the tens.

#8

$$\begin{array}{r} a \\ 53 \\ \times 4 \\ \hline 212 \end{array}$$

$$\begin{array}{r} b \\ 71 \\ \times 9 \\ \hline 639 \end{array}$$

a: $53 \times 4 = 212$. Don't forget the carry into the tens. b: $71 \times 9 = 639$. Don't forget the carry into the hundreds.

#9

$$\begin{array}{r} a \\ 161 \\ \times 8 \\ \hline 1288 \end{array}$$

$$\begin{array}{r} b \\ 302 \\ \times 7 \\ \hline 2114 \end{array}$$

a: $161 \times 8 = 1288$. Don't forget the carry into the thousands. b: $302 \times 7 = 2114$. Don't forget the carry into the thousands.

#10

$$\begin{array}{r} a \\ 31 \\ \times 6 \\ \hline 186 \end{array}$$

$$\begin{array}{r} b \\ 312 \\ - 164 \\ \hline 148 \end{array}$$

a: $31 \times 6 = 186$. Only 6×1 ends in 6. b: $312 - 164 = 148$. The hundreds column has two blanks: only 1 and 1 work there ($3 - 1 - 1 = 1$; no 0 in front).