

Solved Long Division Problems with Step-By-Step Walkthrough

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Solutions are on page 2

(1)

$$62 \overline{)92326}$$

(2)

$$77 \overline{)93799}$$

(3)

$$62 \overline{)17692}$$

Solved Long Division Problems with Step-By-Step Walkthrough

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 1489 \text{ R8} \\ 62 \overline{)92326} \\ - 62 \\ \hline 303 \\ - 248 \\ \hline 552 \\ - 496 \\ \hline 566 \\ - 558 \\ \hline \text{Remainder -->} \quad 8 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 62 into 92 (= 1) Multiply 1 times 62 (= 62) Subtract 62 from 92 (= 30) Bring down the 3</p> <p>Divide 62 into 303 (= 4) Multiply 4 times 62 (= 248) Subtract 248 from 303 (= 55) Bring down the 2</p> <p>Divide 62 into 552 (= 8) Multiply 8 times 62 (= 496) Subtract 496 from 552 (= 56) Bring down the 6</p> <p>Divide 62 into 566 (= 9) Multiply 9 times 62 (= 558) Subtract 558 from 566 (= 8) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1218 \text{ R13} \\ 77 \overline{)93799} \\ - 77 \\ \hline 167 \\ - 154 \\ \hline 139 \\ - 77 \\ \hline 629 \\ - 616 \\ \hline \text{Remainder -->} \quad 13 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 77 into 93 (= 1) Multiply 1 times 77 (= 77) Subtract 77 from 93 (= 16) Bring down the 7</p> <p>Divide 77 into 167 (= 2) Multiply 2 times 77 (= 154) Subtract 154 from 167 (= 13) Bring down the 9</p> <p>Divide 77 into 139 (= 1) Multiply 1 times 77 (= 77) Subtract 77 from 139 (= 62) Bring down the 9</p> <p>Divide 77 into 629 (= 8) Multiply 8 times 77 (= 616) Subtract 616 from 629 (= 13) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 285 \text{ R22} \\ 62 \overline{)17692} \\ - 124 \\ \hline 529 \\ - 496 \\ \hline 332 \\ - 310 \\ \hline 22 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 62 into 176 (= 2) Multiply 2 times 62 (= 124) Subtract 124 from 176 (= 52) Bring down the 9</p> <p>Divide 62 into 529 (= 8) Multiply 8 times 62 (= 496) Subtract 496 from 529 (= 33) Bring down the 2</p> <p>Divide 62 into 332 (= 5) Multiply 5 times 62 (= 310) Subtract 310 from 332 (= 22) Done. No more numbers to bring down.</p>
---	---	---