

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)

$$5 \overline{)6634}$$

(2)

$$6 \overline{)2663}$$

(3)

$$5 \overline{)2545}$$

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

<p>(1)</p> $ \begin{array}{r} 1326 \text{ R4} \\ 5 \overline{) 6634} \\ \underline{- 5} \qquad (1 \times 5) \\ 16 \\ \underline{- 15} \qquad (3 \times 5) \\ 13 \\ \underline{- 10} \qquad (2 \times 5) \\ 34 \\ \underline{- 30} \qquad (6 \times 5) \\ \text{Remainder --> } 4 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 6 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 6 (= 1) Bring down the 6</p> <p>Divide 5 into 16 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 16 (= 1) Bring down the 3</p> <p>Divide 5 into 13 (= 2) Multiply 2 times 5 (= 10) Subtract 10 from 13 (= 3) Bring down the 4</p> <p>Divide 5 into 34 (= 6) Multiply 6 times 5 (= 30) Subtract 30 from 34 (= 4) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 443 \text{ R5} \\ 6 \overline{) 2663} \\ \underline{- 24} \qquad (4 \times 6) \\ 26 \\ \underline{- 24} \qquad (4 \times 6) \\ 23 \\ \underline{- 18} \qquad (3 \times 6) \\ \text{Remainder --> } 5 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 26 (= 4) Multiply 4 times 6 (= 24) Subtract 24 from 26 (= 2) Bring down the 6</p> <p>Divide 6 into 26 (= 4) Multiply 4 times 6 (= 24) Subtract 24 from 26 (= 2) Bring down the 3</p> <p>Divide 6 into 23 (= 3) Multiply 3 times 6 (= 18) Subtract 18 from 23 (= 5) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 509 \text{ R0} \\ 5 \overline{) 2545} \\ \underline{- 25} \qquad (5 \times 5) \\ 04 \\ \underline{- 0} \qquad (0 \times 5) \\ 45 \\ \underline{- 45} \qquad (9 \times 5) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 25 (= 5) Multiply 5 times 5 (= 25) Subtract 25 from 25 (= 0) Bring down the 4</p> <p>Divide 5 into 04 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 04 (= 4) Bring down the 5</p> <p>Divide 5 into 45 (= 9) Multiply 9 times 5 (= 45) Subtract 45 from 45 (= 0) Done. No more numbers to bring down.</p>
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