

# 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)

$$6 \overline{) 1440}$$

(2)

$$5 \overline{) 2685}$$

(3)

$$8 \overline{) 9494}$$

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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}  240 \text{ R}0 \\  6 \overline{) 1440} \\  \underline{- 12} \qquad (2 \times 6) \\  24 \\  \underline{- 24} \qquad (4 \times 6) \\  00 \\  \underline{- 0} \qquad (0 \times 6) \\  \text{Remainder --> } 0  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 14 (= 2)            Multiply 2 times 6 (= 12)            Subtract 12 from 14 (= 2)            Bring down the 4</p> <p>Divide 6 into 24 (= 4)            Multiply 4 times 6 (= 24)            Subtract 24 from 24 (= 0)            Bring down the 0</p> <p>Divide 6 into 00 (= 0)            Multiply 0 times 6 (= 0)            Subtract 0 from 00 (= 0)            Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  537 \text{ R}0 \\  5 \overline{) 2685} \\  \underline{- 25} \qquad (5 \times 5) \\  18 \\  \underline{- 15} \qquad (3 \times 5) \\  35 \\  \underline{- 35} \qquad (7 \times 5) \\  \text{Remainder --> } 0  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 26 (= 5)            Multiply 5 times 5 (= 25)            Subtract 25 from 26 (= 1)            Bring down the 8</p> <p>Divide 5 into 18 (= 3)            Multiply 3 times 5 (= 15)            Subtract 15 from 18 (= 3)            Bring down the 5</p> <p>Divide 5 into 35 (= 7)            Multiply 7 times 5 (= 35)            Subtract 35 from 35 (= 0)            Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  1186 \text{ R}6 \\  8 \overline{) 9494} \\  \underline{- 8} \qquad (1 \times 8) \\  14 \\  \underline{- 8} \qquad (1 \times 8) \\  69 \\  \underline{- 64} \qquad (8 \times 8) \\  54 \\  \underline{- 48} \qquad (6 \times 8) \\  \text{Remainder --> } 6  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 9 (= 1)            Multiply 1 times 8 (= 8)            Subtract 8 from 9 (= 1)            Bring down the 4</p> <p>Divide 8 into 14 (= 1)            Multiply 1 times 8 (= 8)            Subtract 8 from 14 (= 6)            Bring down the 9</p> <p>Divide 8 into 69 (= 8)            Multiply 8 times 8 (= 64)            Subtract 64 from 69 (= 5)            Bring down the 4</p> <p>Divide 8 into 54 (= 6)            Multiply 6 times 8 (= 48)            Subtract 48 from 54 (= 6)            Done. No more numbers to bring down.</p>
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