

# 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)

$$681 \overline{) 241881}$$

(2)

$$592 \overline{) 750070}$$

(3)

$$698 \overline{) 593239}$$

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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}  \phantom{681} \overline{) 241881} \quad \text{R126} \\  \underline{- 2043} \quad (3 \times 681) \\  3758 \\  \underline{- 3405} \quad (5 \times 681) \\  3531 \\  \underline{- 3405} \quad (5 \times 681) \\  \text{Remainder -->} \quad 126  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 681 into 2418 (= 3)            Multiply 3 times 681 (= 2043)            Subtract 2043 from 2418 (= 375)            Bring down the 8</p> <p>Divide 681 into 3758 (= 5)            Multiply 5 times 681 (= 3405)            Subtract 3405 from 3758 (= 353)            Bring down the 1</p> <p>Divide 681 into 3531 (= 5)            Multiply 5 times 681 (= 3405)            Subtract 3405 from 3531 (= 126)            Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  \phantom{592} \overline{) 750070} \quad \text{R6} \\  \underline{- 592} \quad (1 \times 592) \\  1580 \\  \underline{- 1184} \quad (2 \times 592) \\  3967 \\  \underline{- 3552} \quad (6 \times 592) \\  4150 \\  \underline{- 4144} \quad (7 \times 592) \\  \text{Remainder -->} \quad 6  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 592 into 750 (= 1)            Multiply 1 times 592 (= 592)            Subtract 592 from 750 (= 158)            Bring down the 0</p> <p>Divide 592 into 1580 (= 2)            Multiply 2 times 592 (= 1184)            Subtract 1184 from 1580 (= 396)            Bring down the 7</p> <p>Divide 592 into 3967 (= 6)            Multiply 6 times 592 (= 3552)            Subtract 3552 from 3967 (= 415)            Bring down the 0</p> <p>Divide 592 into 4150 (= 7)            Multiply 7 times 592 (= 4144)            Subtract 4144 from 4150 (= 6)            Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  \phantom{698} \overline{) 593239} \quad \text{R637} \\  \underline{- 5584} \quad (8 \times 698) \\  3483 \\  \underline{- 2792} \quad (4 \times 698) \\  6919 \\  \underline{- 6282} \quad (9 \times 698) \\  \text{Remainder -->} \quad 637  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 698 into 5932 (= 8)            Multiply 8 times 698 (= 5584)            Subtract 5584 from 5932 (= 348)            Bring down the 3</p> <p>Divide 698 into 3483 (= 4)            Multiply 4 times 698 (= 2792)            Subtract 2792 from 3483 (= 691)            Bring down the 9</p> <p>Divide 698 into 6919 (= 9)            Multiply 9 times 698 (= 6282)            Subtract 6282 from 6919 (= 637)            Done. No more numbers to bring down.</p>
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