

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) <div>7 5567627</div>	(2) <div>6 3513855</div>	(3) <div>6 2818162</div>
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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"

[illegible]

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7 into 55 ($= 7$)
 Multiply 7 times 7 ($= 49$)
 Subtract 49 from 55 ($= 6$)
 Bring down the 6

Divide 7 into 66 ($= 9$)
 Multiply 9 times 7 ($= 63$)
 Subtract 63 from 66 ($= 3$)
 Bring down the 7

Divide 7 into 37 (= 5)
Multiply 5 times 7 (= 35)
Subtract 35 from 37 (= 2)
Bring down the 6

Divide 7 into 26 ($= 3$)
 Multiply 3 times 7 ($= 21$)
 Subtract 21 from 26 ($= 5$)
 Bring down the 2

Divide 7 into 52 ($= 7$)
 Multiply 7 times 7 ($= 49$)
 Subtract 49 from 52 ($= 3$)
 Bring down the 7

Divide 7 into 37 ($= 5$)
 Multiply 5 times 7 ($= 35$)
 Subtract 35 from 37 ($= 2$)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 (2) \qquad \qquad \qquad 585642 \text{ R}3 \\
 6 \overline{) 3513855} \\
 \underline{- 30} \qquad \qquad \qquad (5 \times 6) \\
 51 \\
 \underline{- 48} \qquad \qquad \qquad (8 \times 6) \\
 33 \\
 \underline{- 30} \qquad \qquad \qquad (5 \times 6) \\
 38 \\
 \underline{- 36} \qquad \qquad \qquad (6 \times 6) \\
 25 \\
 \underline{- 24} \qquad \qquad \qquad (4 \times 6) \\
 15 \\
 \underline{- 12} \qquad \qquad \qquad (2 \times 6) \\
 \hline
 \text{Remainder -->} \qquad \qquad 3
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6 into 35 ($= 5$)
Multiply 5 times 6 ($= 30$)
Subtract 30 from 35 ($= 5$)
Bring down the 1

Divide 6 into 51 ($= 8$)
Multiply 8 times 6 ($= 48$)
Subtract 48 from 51 ($= 3$)
Bring down the 3

Divide 6 into 33 (= 5)
Multiply 5 times 6 (= 30)
Subtract 30 from 33 (= 3)
Bring down the 8

Divide 6 into 38 ($= 6$)
Multiply 6 times 6 ($= 36$)
Subtract 36 from 38 ($= 2$)
Bring down the 5

Divide 6 into 25 ($= 4$)
Multiply 4 times 6 ($= 24$)
Subtract 24 from 25 ($= 1$)
Bring down the 5

Divide 6 into 15 ($= 2$)
 Multiply 2 times 6 ($= 12$)
 Subtract 12 from 15 ($= 3$)
 Done. No more numbers to bring down.

[illegible]

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6 into 28 ($= 4$)
Multiply 4 times 6 ($= 24$)
Subtract 24 from 28 ($= 4$)
Bring down the 1

Divide 6 into 41 ($= 6$)
 Multiply 6 times 6 ($= 36$)
 Subtract 36 from 41 ($= 5$)
 Bring down the 8

Divide 6 into 58 ($= 9$)
Multiply 9 times 6 ($= 54$)
Subtract 54 from 58 ($= 4$)
Bring down the 1

Divide 6 into 41 ($= 6$)
Multiply 6 times 6 ($= 36$)
Subtract 36 from 41 ($= 5$)
Bring down the 6

Divide 6 into 56 ($= 9$)
Multiply 9 times 6 ($= 54$)
Subtract 54 from 56 ($= 2$)
Bring down the 2

Divide 6 into 22 ($= 3$)
 Multiply 3 times 6 ($= 18$)
 Subtract 18 from 22 ($= 4$)
 Done. No more numbers to bring down.