

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

(1)

$$8 \overline{)74561789}$$

(2)

$$6 \overline{)24424259}$$

(3)

$$4 \overline{)71124683}$$

(4)

$$5 \overline{)15207788}$$

(5)

$$5 \overline{)31610412}$$

(6)

$$7 \overline{)67059345}$$

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} 9320223 \text{ R5} \\ 8 \overline{) 74561789} \\ \underline{- 72} \qquad (9 \times 8) \\ 25 \\ \underline{- 24} \qquad (3 \times 8) \\ 16 \\ \underline{- 16} \qquad (2 \times 8) \\ 01 \\ \underline{- 0} \qquad (0 \times 8) \\ 17 \\ \underline{- 16} \qquad (2 \times 8) \\ 18 \\ \underline{- 16} \qquad (2 \times 8) \\ 29 \\ \underline{- 24} \qquad (3 \times 8) \\ \text{Remainder --> } 5 \end{array} $	<p>(2)</p> $ \begin{array}{r} 4070709 \text{ R5} \\ 6 \overline{) 24424259} \\ \underline{- 24} \qquad (4 \times 6) \\ 04 \\ \underline{- 0} \qquad (0 \times 6) \\ 42 \\ \underline{- 42} \qquad (7 \times 6) \\ 04 \\ \underline{- 0} \qquad (0 \times 6) \\ 42 \\ \underline{- 42} \qquad (7 \times 6) \\ 05 \\ \underline{- 0} \qquad (0 \times 6) \\ 59 \\ \underline{- 54} \qquad (9 \times 6) \\ \text{Remainder --> } 5 \end{array} $	<p>(3)</p> $ \begin{array}{r} 17781170 \text{ R3} \\ 4 \overline{) 71124683} \\ \underline{- 4} \qquad (1 \times 4) \\ 31 \\ \underline{- 28} \qquad (7 \times 4) \\ 31 \\ \underline{- 28} \qquad (7 \times 4) \\ 32 \\ \underline{- 32} \qquad (8 \times 4) \\ 04 \\ \underline{- 4} \qquad (1 \times 4) \\ 06 \\ \underline{- 4} \qquad (1 \times 4) \\ 28 \\ \underline{- 28} \qquad (7 \times 4) \\ 03 \\ \underline{- 0} \qquad (0 \times 4) \\ \text{Remainder --> } 3 \end{array} $
<p>(4)</p> $ \begin{array}{r} 3041557 \text{ R3} \\ 5 \overline{) 15207788} \\ \underline{- 15} \qquad (3 \times 5) \\ 02 \\ \underline{- 0} \qquad (0 \times 5) \\ 20 \\ \underline{- 20} \qquad (4 \times 5) \\ 07 \\ \underline{- 5} \qquad (1 \times 5) \\ 27 \\ \underline{- 25} \qquad (5 \times 5) \\ 28 \\ \underline{- 25} \qquad (5 \times 5) \\ 38 \\ \underline{- 35} \qquad (7 \times 5) \\ \text{Remainder --> } 3 \end{array} $	<p>(5)</p> $ \begin{array}{r} 6322082 \text{ R2} \\ 5 \overline{) 31610412} \\ \underline{- 30} \qquad (6 \times 5) \\ 16 \\ \underline{- 15} \qquad (3 \times 5) \\ 11 \\ \underline{- 10} \qquad (2 \times 5) \\ 10 \\ \underline{- 10} \qquad (2 \times 5) \\ 04 \\ \underline{- 0} \qquad (0 \times 5) \\ 41 \\ \underline{- 40} \qquad (8 \times 5) \\ 12 \\ \underline{- 10} \qquad (2 \times 5) \\ \text{Remainder --> } 2 \end{array} $	<p>(6)</p> $ \begin{array}{r} 9579906 \text{ R3} \\ 7 \overline{) 67059345} \\ \underline{- 63} \qquad (9 \times 7) \\ 40 \\ \underline{- 35} \qquad (5 \times 7) \\ 55 \\ \underline{- 49} \qquad (7 \times 7) \\ 69 \\ \underline{- 63} \qquad (9 \times 7) \\ 63 \\ \underline{- 63} \qquad (9 \times 7) \\ 04 \\ \underline{- 0} \qquad (0 \times 7) \\ 45 \\ \underline{- 42} \qquad (6 \times 7) \\ \text{Remainder --> } 3 \end{array} $