

# Use whatever method works for you!

## Partial Quotients

Divide. Use partial quotients.

$$\begin{array}{r}
 1. \ 18 \overline{)236} \\
 \underline{18} \phantom{0} \\
 56 \\
 \underline{36} \\
 20 \\
 \underline{18} \\
 2
 \end{array}$$

$180 \leftarrow 10 \times 18$     10  
 $36 \leftarrow 2 \times 18$     2  
 $18 \leftarrow 1 \times 18$     +1  
13

$$\begin{array}{r}
 2. \ 36 \overline{)540} \\
 \underline{36} \\
 180 \\
 \underline{180} \\
 0
 \end{array}$$

Think  $40 \times 10 = 400$   
 $40 \times 4 = 160$   
 $236$   
 $4$   
 $144$   
 $3 \times 36 = 108$

$$\begin{array}{r}
 3. \ 27 \overline{)624} \\
 \underline{54} \\
 84 \\
 \underline{81} \\
 3
 \end{array}$$

Think  $30 \times 2 = 60$   
 $30 \times 2 = 60$   
 $27$   
 $2$   
 $54$   
 Think  $30 \times 2 = 60$   
 $23$   
 $2$   
 $27$   
 $3$

$236 \div 18$  is  $13$  r2.

$$\begin{array}{r}
 16 \\
 \times 13 \\
 \hline
 48 \\
 160 \\
 \hline
 208
 \end{array}$$

$$\begin{array}{r}
 5 \\
 \times 16 \\
 \hline
 144 \\
 80 \\
 \hline
 144
 \end{array}$$

$$\begin{array}{r}
 29R14 \\
 16 \overline{)478} \\
 \underline{32} \\
 158 \\
 \underline{144} \\
 14
 \end{array}$$

$$\begin{array}{r}
 4. \ 418 \div 22 \\
 22 \overline{)418} \\
 \underline{22} \\
 198 \\
 \underline{198} \\
 0
 \end{array}$$

$19$   
 $22$   
 $9$   
 $198$

$$\begin{array}{r}
 6. \ 625 \div 25 \\
 25 \overline{)625} \\
 \underline{50} \\
 125 \\
 \underline{125} \\
 0
 \end{array}$$

$25$   
 $81$   
 $25$   
 $20$   
 $50$   
 $125$   
 $125$

$514 \div 28$

$$\begin{array}{r}
 3 \\
 \times 28 \\
 \hline
 112 \\
 840 \\
 \hline
 852
 \end{array}$$

$14R22$

$$\begin{array}{r}
 14R22 \\
 28 \overline{)514} \\
 \underline{28} \\
 234 \\
 \underline{224} \\
 10
 \end{array}$$

$322 \div 14$

$$\begin{array}{r}
 23 \\
 14 \overline{)322} \\
 \underline{28} \\
 42 \\
 \underline{42} \\
 0
 \end{array}$$

$23$

$715 \div 25$

$$\begin{array}{r}
 24R15 \\
 25 \overline{)715} \\
 \underline{50} \\
 215 \\
 \underline{200} \\
 15
 \end{array}$$

$24R15$

### Problem Solving

10. A factory processes 1,560 ounces of olive oil per hour. The oil is packaged into 24-ounce bottles. How many bottles does the factory fill in one hour?

$$\begin{array}{r}
 65 \\
 24 \overline{)1560} \\
 \underline{144} \\
 120 \\
 \underline{120} \\
 0
 \end{array}$$

65 bottles

11. A pond at a hotel holds 4,290 gallons of water. The groundskeeper drains the pond at a rate of 78 gallons of water per hour. How long will it take to drain the pond?

$$\begin{array}{r}
 55 \\
 78 \overline{)4290} \\
 \underline{390} \\
 390 \\
 \underline{390} \\
 0
 \end{array}$$

55 hours

$$\begin{array}{r}
 24 \\
 \times 6 \\
 \hline
 144
 \end{array}$$

$$\begin{array}{r}
 24 \\
 \times 5 \\
 \hline
 120
 \end{array}$$

$$\begin{array}{r}
 78 \\
 \times 5 \\
 \hline
 390
 \end{array}$$



# Add Decimals

Estimate. Then find the sum.

1. Estimate: 10      2. Estimate: 11      3. Estimate: 11      4. Estimate: 8

$$\begin{array}{r} 2.85 \\ + 7.29 \\ \hline \end{array}$$

$$\begin{array}{r} 1\ 1 \\ 2.85 \\ + 7.29 \\ \hline 10.14 \end{array}$$

$$\begin{array}{r} 4.23 \\ + 6.51 \\ \hline 10.74 \end{array}$$

$$\underline{10.74}$$

$$\begin{array}{r} 6.8 \\ + 4.2 \\ \hline 11.0 \end{array}$$

$$\underline{11.0}$$

$$\begin{array}{r} 2.70 \\ + 5.37 \\ \hline 8.07 \end{array}$$

$$\underline{8.07}$$

Find the sum.

5.  $6.8 + 4.4$

$$\begin{array}{r} 6.8 \\ + 4.4 \\ \hline 11.2 \\ \hline 11.2 \end{array}$$

6.  $6.87 + 5.18$

$$\begin{array}{r} 6.87 \\ + 5.18 \\ \hline 12.05 \end{array}$$

7.  $3.14 + 2.9$

$$\begin{array}{r} 3.14 \\ + 2.9 \\ \hline 6.04 \end{array}$$

8.  $16.18 + 5.94$

$$\begin{array}{r} 16.18 \\ + 5.94 \\ \hline 22.12 \end{array}$$

9.  $19.8 + 31.45$

$$\begin{array}{r} 19.80 \\ + 31.45 \\ \hline 51.25 \end{array}$$

10.  $25.47 + 7.24$

$$\begin{array}{r} 25.47 \\ + 7.24 \\ \hline 32.71 \end{array}$$

11.  $9.17 + 5.67$

$$\begin{array}{r} 9.17 \\ + 5.67 \\ \hline 14.84 \end{array}$$

12.  $19.7 + 5.46$

$$\begin{array}{r} 19.70 \\ + 5.46 \\ \hline 25.16 \end{array}$$

Line up your decimals

## Problem Solving

13. Marcela's dog gained 4.1 kilograms in two months. Two months ago, the dog's mass was 5.6 kilograms. What is the dog's current mass?

$$\begin{array}{r} 4.1 \\ + 5.6 \\ \hline 9.7 \end{array}$$

9.7 Kg

14. During last week's storm, 2.15 inches of rain fell on Monday and 1.68 inches of rain fell on Tuesday. What was the total amount of rainfall on both days?

$$\begin{array}{r} 2.15 \\ + 1.68 \\ \hline 3.83 \end{array}$$

3.83 inches

## Subtract Decimals

Estimate. Then find the difference.

1. Estimate: 3      2. Estimate: 1      3. Estimate: 4      4. Estimate: 2

$\begin{array}{r} 6.5 \\ -3.9 \\ \hline 2.6 \end{array}$	$\begin{array}{r} 4.23 \\ -2.51 \\ \hline 1.72 \end{array}$	$\begin{array}{r} 8.6 \\ -5.1 \\ \hline 3.5 \end{array}$	$\begin{array}{r} 2.71 \\ -1.34 \\ \hline 1.37 \end{array}$
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Find the difference. Check your answer.

$\begin{array}{r} 16.3 \\ -4.4 \\ \hline 11.9 \end{array}$	$\begin{array}{r} 12.56 \\ -5.18 \\ \hline 7.38 \end{array}$	$\begin{array}{r} 3.14 \\ -2.90 \\ \hline 0.24 \end{array}$	$\begin{array}{r} 34.90 \\ -4.29 \\ \hline 30.61 \end{array}$
$\begin{array}{r} 2.54 \\ -1.67 \\ \hline 0.87 \end{array}$	$\begin{array}{r} 25.8 \\ -14.7 \\ \hline 11.1 \end{array}$	$\begin{array}{r} 11.63 \\ -6.70 \\ \hline 4.93 \end{array}$	$\begin{array}{r} 5.24 \\ -2.14 \\ \hline 3.10 \end{array}$

### Problem Solving

13. The width of a tree was 3.15 inches last year. This year, the width is 5.38 inches. How much did the width of the tree increase?
14. The temperature decreased from 71.5°F to 56.8°F overnight. How much did the temperature drop?

$$\begin{array}{r} 5.38 \\ -3.15 \\ \hline 2.23 \end{array}$$

2.23

$$\begin{array}{r} 71.5 \\ -56.8 \\ \hline 14.7 \end{array}$$

14.7°F