

# Decimal Number Addition and Subtraction with Estimation

Aims: I can estimate and calculate decimal number addition and subtraction equations.

Estimate the answer before completing each decimal number equation.

Example:	Estimate:	a)	Estimate:	b)	Estimate:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \end{array}$	$48.90$	$\begin{array}{r} 85.95 \\ - 34.45 \\ \hline \end{array}$		$\begin{array}{r} 930.68 \\ - 220.55 \\ \hline \end{array}$	

c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 6.054 \\ + 3.542 \\ \hline \end{array}$		$\begin{array}{r} 58.49 \\ - 35.45 \\ \hline \end{array}$		$\begin{array}{r} 204.50 \\ + 163.48 \\ \hline \end{array}$	

f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} 741.9 \\ - 420.8 \\ \hline \end{array}$		$\begin{array}{r} 8.108 \\ + 3.540 \\ \hline \end{array}$		$\begin{array}{r} 84.307 \\ - 52.107 \\ \hline \end{array}$	

i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 63.648 \\ - 62.302 \\ \hline \end{array}$		$\begin{array}{r} 250.8 \\ - 125.4 \\ \hline \end{array}$		$\begin{array}{r} 708.55 \\ + 61.40 \\ \hline \end{array}$	

Complete these decimal number equations.

a)  $\$22.55 - \$2.50 =$  \_\_\_\_\_ c)  $\$24.95 + \$20.05 =$  \_\_\_\_\_

b)  $\$15.50 + \$4.25 =$  \_\_\_\_\_ d)  $\$9.95 - \$4.55 =$  \_\_\_\_\_

# Answers

Estimate the answer before completing each decimal number equation.

Example:	Estimate:	a)	Estimate:	b)	Estimate:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \end{array}$	48.90	$\begin{array}{r} 85.95 \\ - 34.45 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 930.68 \\ - 220.55 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
		<b>51.50</b>		<b>710.13</b>	
c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 6.054 \\ + 3.542 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 58.49 \\ - 35.45 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 204.50 \\ + 163.48 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
		<b>23.04</b>		<b>367.98</b>	
f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} 741.9 \\ - 420.8 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 8.108 \\ + 3.540 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 84.307 \\ - 52.107 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
		<b>1.648</b>		<b>32.200</b>	
i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 63.648 \\ - 62.302 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 250.8 \\ - 125.4 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 708.55 \\ + 61.40 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
		<b>1.346</b>	<b>125.4</b>	<b>769.95</b>	

Complete these decimal number equations.

a)  $\$22.55 - \$2.50 = \$20.05$

c)  $\$24.95 + \$20.05 = \$45.00$

b)  $\$15.50 + \$4.25 = \$19.75$

d)  $\$9.95 - \$4.55 = \$5.40$

# Decimal Number Addition and Subtraction with Estimation

Aims: I can estimate and calculate decimal number addition and subtraction equations.

Estimate the answer before completing each decimal number equation.

Example:	Estimate:	a)	Estimate:	b)	Estimate:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \end{array}$	$48.90$	$\begin{array}{r} 68.32 \\ - 35.10 \\ \hline \end{array}$	$705.95$	$\begin{array}{r} 705.95 \\ - 553.40 \\ \hline \end{array}$	

c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 8.428 \\ + 6.471 \\ \hline \end{array}$		$\begin{array}{r} 41.37 \\ - 26.26 \\ \hline \end{array}$		$\begin{array}{r} 382.46 \\ + 237.25 \\ \hline \end{array}$	

f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} 524.6 \\ - 316.3 \\ \hline \end{array}$		$\begin{array}{r} 5.852 \\ + 4.436 \\ \hline \end{array}$		$\begin{array}{r} 63.145 \\ - 31.924 \\ \hline \end{array}$	

i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 8172.5 \\ - 3021.8 \\ \hline \end{array}$		$\begin{array}{r} 345.2 \\ - 261.5 \\ \hline \end{array}$		$\begin{array}{r} 574.95 \\ + 72.30 \\ \hline \end{array}$	

Complete these decimal number equations.

a)  $\$35.90 - \$11.50 =$  \_\_\_\_\_ c)  $\$15.45 + \$5.55 =$  \_\_\_\_\_

b)  $\$32.55 + \$6.30 =$  \_\_\_\_\_ d)  $\$17.95 - \$6.55 =$  \_\_\_\_\_

# Answers

Estimate the answer before completing each decimal number equation.

Example:	Estimate:	a)	Estimate:	b)	Estimate:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \end{array}$	48.90	$\begin{array}{r} 68.32 \\ - 35.10 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 67105.95 \\ - 553.40 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
		<b>33.22</b>		<b>152.55</b>	
c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 8.428 \\ + 6.471 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 3411.37 \\ - 26.26 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 382.46 \\ + 237.25 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
<b>14.899</b>		<b>17.11</b>		<b>619.71</b>	
f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} 51214.6 \\ - 316.3 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 5.852 \\ + 4.436 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 623.1145 \\ - 31.924 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
<b>208.3</b>		<b>10.288</b>		<b>31.221</b>	
i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 8172.15 \\ - 3021.8 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 23145.12 \\ - 261.5 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 574.95 \\ + 72.30 \\ \hline \end{array}$	<b>Teacher to correct accuracy</b>
<b>5150.7</b>		<b>83.7</b>		<b>647.25</b>	

Complete these decimal number equations.

a)  $\$35.90 - \$11.50 = \$24.40$

c)  $\$15.45 + \$5.55 = \$21.00$

b)  $\$32.55 + \$6.30 = \$38.85$

d)  $\$17.95 - \$6.55 = \$11.40$

# Decimal Number Addition and Subtraction with Estimation

Aims: I can estimate and calculate decimal number addition and subtraction equations.

Estimate the answer before completing each decimal number equation.

Example:	Estimate:	a)	Estimate:	b)	Estimate:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \end{array}$	$48.90$	$\begin{array}{r} \$52.90 \\ - \$16.55 \\ \hline \end{array}$		$\begin{array}{r} 328.15\text{cm} \\ - 168.50\text{cm} \\ \hline \end{array}$	

c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 7.515\text{m} \\ + 5.980\text{m} \\ \hline \end{array}$		$\begin{array}{r} \$82.45 \\ - \$48.95 \\ \hline \end{array}$		$\begin{array}{r} 57.580 \\ + 34.519 \\ \hline \end{array}$	

f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} \$609.45 \\ - \$550.95 \\ \hline \end{array}$		$\begin{array}{r} 9.362 \\ + 5.749 \\ \hline \end{array}$		$\begin{array}{r} 41.280 \\ - 30.557 \\ \hline \end{array}$	

i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 4063.4 \\ - 3080.9 \\ \hline \end{array}$		$\begin{array}{r} 230.4 \\ - 178.5 \\ \hline \end{array}$		$\begin{array}{r} 830.89 \\ + 89.40 \\ \hline \end{array}$	

Complete these decimal number equations.

a)  $\$73.50 - \$23.50 =$  \_\_\_\_\_ c)  $\$18.90 + \$12.10 =$  \_\_\_\_\_

b)  $\$45.55 + \$9.45 =$  \_\_\_\_\_ d)  $\$36.95 - \$13.45 =$  \_\_\_\_\_

# Answers

Estimate the answer before completing each decimal number equation.

Example:	Estimate:	a)	Estimate:	b)	Estimate:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \hline \end{array}$	48.90	$\begin{array}{r} \$52.80 \\ - \$16.55 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 232.15\text{cm} \\ - 168.50\text{cm} \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>
		$\begin{array}{r} \hline \hline \end{array}$	<b>\$36.35</b>	$\begin{array}{r} \hline \hline \end{array}$	<b>159.65cm</b>
c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 7.515\text{m} \\ + 5.980\text{m} \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} \$82.145 \\ - \$48.95 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 57.580 \\ + 34.519 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>
$\begin{array}{r} \hline \hline \end{array}$		$\begin{array}{r} \hline \hline \end{array}$	<b>\$33.50</b>	$\begin{array}{r} \hline \hline \end{array}$	<b>92.099</b>
f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} \$608.145 \\ - \$550.95 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 9.362 \\ + 5.749 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 40.1278 \\ - 30.557 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>
$\begin{array}{r} \hline \hline \end{array}$		$\begin{array}{r} \hline \hline \end{array}$	<b>15.111</b>	$\begin{array}{r} \hline \hline \end{array}$	<b>10.723</b>
i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 3490.1623.14 \\ - 3080.9 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 1230.14 \\ - 178.5 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>	$\begin{array}{r} 830.89 \\ + 89.40 \\ \hline \hline \end{array}$	<b>Teacher to correct accuracy</b>
$\begin{array}{r} \hline \hline \end{array}$		$\begin{array}{r} \hline \hline \end{array}$	<b>51.9</b>	$\begin{array}{r} \hline \hline \end{array}$	<b>920.29</b>

Complete these decimal number equations.

a)  $\$73.50 - \$23.50 = \$50.00$

c)  $\$18.90 + \$12.10 = \$31.00$

b)  $\$45.55 + \$9.45 = \$55.00$

d)  $\$36.95 - \$13.45 = \$23.50$