

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	$\begin{array}{r} 85.95 \\ - 34.45 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 930.68 \\ - 220.55 \\ \hline \end{array}$	Teacher to correct accuracy
		51.50		710.13	
c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 6.054 \\ + 3.542 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 58.49 \\ - 35.45 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 204.50 \\ + 163.48 \\ \hline \end{array}$	Teacher to correct accuracy
		23.04		367.98	
f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} 741.9 \\ - 420.8 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 8.108 \\ + 3.540 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 84.307 \\ - 52.107 \\ \hline \end{array}$	Teacher to correct accuracy
		11.648		32.200	
i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 63.648 \\ - 62.302 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 250.8 \\ - 125.4 \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 708.55 \\ + 61.40 \\ \hline \end{array}$	Teacher to correct accuracy
		125.4		769.95	

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

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

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

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:
$\begin{array}{r} 35.62 \\ + 13.25 \\ \hline \\ \hline \end{array}$	48.90	$\begin{array}{r} 68.32 \\ - 35.10 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 6\cancel{7}105.95 \\ - 553.40 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
		33.22		152.55	
c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 8.428 \\ + 6.471 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 3\cancel{4}11.37 \\ - 26.26 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 382.46 \\ + 237.25 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
14.899		15.11		619.71	
f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} 5\cancel{1}\cancel{2}14.6 \\ - 316.3 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 5.852 \\ + 4.436 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 6\cancel{2}\cancel{3}.1145 \\ - 31.924 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
208.3		10.288		31.221	
i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 817\cancel{1}\cancel{2}.15 \\ - 3021.8 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 2\cancel{3}14\cancel{4}5.12 \\ - 261.5 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 574.95 \\ + 72.30 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
5150.7		83.7		647.25	

Complete these decimal number equations.

a) $\$35.90 - \$11.50 = \mathbf{\$24.40}$

c) $\$15.45 + \$5.55 = \mathbf{\$21.00}$

b) $\$32.55 + \$6.30 = \mathbf{\$38.85}$

d) $\$17.95 - \$6.55 = \mathbf{\$11.40}$

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	$\begin{array}{r} \$52.90 \\ - \$16.55 \\ \hline \end{array}$	328.15cm	$\begin{array}{r} - 168.50\text{cm} \\ \hline \end{array}$	

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	$\begin{array}{r} \$52.80 \\ - \$16.55 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 232.15\text{cm} \\ - 168.50\text{cm} \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
		\$36.35		159.65cm	
c)	Estimate:	d)	Estimate:	e)	Estimate:
$\begin{array}{r} 7.515\text{m} \\ + 5.980\text{m} \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} \$82.145 \\ - \$48.95 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 57.580 \\ + 34.519 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
13.495m		\$33.50		92.099	
f)	Estimate:	g)	Estimate:	h)	Estimate:
$\begin{array}{r} \$608.145 \\ - \$550.95 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 9.362 \\ + 5.749 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 401.278 \\ - 30.557 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
\$58.50		15.111		10.723	
i)	Estimate:	j)	Estimate:	k)	Estimate:
$\begin{array}{r} 3490.162 \\ - 3080.9 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 1230.14 \\ - 178.5 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy	$\begin{array}{r} 830.89 \\ + 89.40 \\ \hline \\ \hline \end{array}$	Teacher to correct accuracy
982.5		51.9		920.29	

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