

Percentage Increase/Decrease (A)


Name: _____

Date: _____


Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	6.3	→	3.78	 	



2.	3	→	4.05	 	

3.	4.4	→	2.42	 	


4.	9.8	→	11.76	 	

5.	1.6	→	2.08	 	

6.	3.5	→	0.7	 	

7.	2.68	→	2.01	 	

8.	8.8	→	14.52	 	

9.	6.8	→	7.14	 	

10.	8.2	→	7.38	 	

Percentage Increase/Decrease (A) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	6.3	→	3.78	↑ ↓	$\frac{3.78-6.3}{6.3} = -40\%$
2.	3	→	4.05	↑ ↓	$\frac{4.05-3}{3} = 35\%$
3.	4.4	→	2.42	↑ ↓	$\frac{2.42-4.4}{4.4} = -45\%$
4.	9.8	→	11.76	↑ ↓	$\frac{11.76-9.8}{9.8} = 20\%$
5.	1.6	→	2.08	↑ ↓	$\frac{2.08-1.6}{1.6} = 30\%$
6.	3.5	→	0.7	↑ ↓	$\frac{0.7-3.5}{3.5} = -80\%$
7.	2.68	→	2.01	↑ ↓	$\frac{2.01-2.68}{2.68} = -25\%$
8.	8.8	→	14.52	↑ ↓	$\frac{14.52-8.8}{8.8} = 65\%$
9.	6.8	→	7.14	↑ ↓	$\frac{7.14-6.8}{6.8} = 5\%$
10.	8.2	→	7.38	↑ ↓	$\frac{7.38-8.2}{8.2} = -10\%$

Percentage Increase/Decrease (B)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	2.8	→	4.34	 	
2.	5.26	→	2.63	 	
3.	2.05	→	1.23	 	
4.	2.6	→	1.43	 	
5.	6.8	→	7.82	 	
6.	8.1	→	10.53	 	
7.	9.9	→	15.84	 	
8.	1	→	0.35	 	
9.	5.2	→	6.24	 	
10.	3.92	→	0.98	 	

Percentage Increase/Decrease (B) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	2.8	→	4.34		$\frac{4.34-2.8}{2.8} = 55\%$
2.	5.26	→	2.63		$\frac{2.63-5.26}{5.26} = -50\%$
3.	2.05	→	1.23		$\frac{1.23-2.05}{2.05} = -40\%$
4.	2.6	→	1.43		$\frac{1.43-2.6}{2.6} = -45\%$
5.	6.8	→	7.82		$\frac{7.82-6.8}{6.8} = 15\%$
6.	8.1	→	10.53		$\frac{10.53-8.1}{8.1} = 30\%$
7.	9.9	→	15.84		$\frac{15.84-9.9}{9.9} = 60\%$
8.	1	→	0.35		$\frac{0.35-1}{1} = -65\%$
9.	5.2	→	6.24		$\frac{6.24-5.2}{5.2} = 20\%$
10.	3.92	→	0.98		$\frac{0.98-3.92}{3.92} = -75\%$

Percentage Increase/Decrease (C)

Name: _____

Date: _____

Calculate the percentage increase or decrease.





















	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	5.25	→	9.45	 	
2.	9	→	8.55	 	
3.	8.2	→	13.53	 	
4.	1.4	→	0.21	 	
5.	7.8	→	3.51	 	
6.	1.2	→	1.74	 	
7.	6.48	→	1.62	 	
8.	9.4	→	0.47	 	
9.	1.8	→	2.07	 	
10.	3.9	→	5.85	 	

Percentage Increase/Decrease (C) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	5.25	→	9.45	 	$\frac{9.45-5.25}{5.25} = 80\%$
2.	9	→	8.55	 	$\frac{8.55-9}{9} = -5\%$
3.	8.2	→	13.53	 	$\frac{13.53-8.2}{8.2} = 65\%$
4.	1.4	→	0.21	 	$\frac{0.21-1.4}{1.4} = -85\%$
5.	7.8	→	3.51	 	$\frac{3.51-7.8}{7.8} = -55\%$
6.	1.2	→	1.74	 	$\frac{1.74-1.2}{1.2} = 45\%$
7.	6.48	→	1.62	 	$\frac{1.62-6.48}{6.48} = -75\%$
8.	9.4	→	0.47	 	$\frac{0.47-9.4}{9.4} = -95\%$
9.	1.8	→	2.07	 	$\frac{2.07-1.8}{1.8} = 15\%$
10.	3.9	→	5.85	 	$\frac{5.85-3.9}{3.9} = 50\%$

Percentage Increase/Decrease (D)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	4.7	→	0.94	 	
2.	4.05	→	5.67	 	
3.	2.28	→	2.85	 	
4.	5.8	→	2.61	 	
5.	3.5	→	5.6	 	
6.	8.8	→	16.28	 	
7.	3.4	→	1.19	 	
8.	9.1	→	15.47	 	
9.	3.9	→	3.51	 	
10.	6.2	→	3.41	 	

Percentage Increase/Decrease (D) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.














	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	4.7	→	0.94	↑ ↓	$\frac{0.94-4.7}{4.7} = -80\%$
2.	4.05	→	5.67	↑ ↓	$\frac{5.67-4.05}{4.05} = 40\%$
3.	2.28	→	2.85	↑ ↓	$\frac{2.85-2.28}{2.28} = 25\%$
4.	5.8	→	2.61	↑ ↓	$\frac{2.61-5.8}{5.8} = -55\%$
5.	3.5	→	5.6	↑ ↓	$\frac{5.6-3.5}{3.5} = 60\%$
6.	8.8	→	16.28	↑ ↓	$\frac{16.28-8.8}{8.8} = 85\%$
7.	3.4	→	1.19	↑ ↓	$\frac{1.19-3.4}{3.4} = -65\%$
8.	9.1	→	15.47	↑ ↓	$\frac{15.47-9.1}{9.1} = 70\%$
9.	3.9	→	3.51	↑ ↓	$\frac{3.51-3.9}{3.9} = -10\%$
10.	6.2	→	3.41	↑ ↓	$\frac{3.41-6.2}{6.2} = -45\%$

Percentage Increase/Decrease (E)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	9.2	→	17.02	 	
2.	3	→	4.95	 	
3.	8.5	→	0.85	 	
4.	3.5	→	0.7	 	
5.	2.8	→	0.14	 	
6.	7.76	→	13.58	 	
7.	4.1	→	2.87	 	
8.	5.55	→	8.88	 	
9.	5.3	→	6.36	 	
10.	5.4	→	4.05	 	

Percentage Increase/Decrease (E) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount		Increase or Decrease	Percentage Change
1.	9.2	→	17.02			$\frac{17.02-9.2}{9.2} = 85\%$
2.	3	→	4.95			$\frac{4.95-3}{3} = 65\%$
3.	8.5	→	0.85			$\frac{0.85-8.5}{8.5} = -90\%$
4.	3.5	→	0.7			$\frac{0.7-3.5}{3.5} = -80\%$
5.	2.8	→	0.14			$\frac{0.14-2.8}{2.8} = -95\%$
6.	7.76	→	13.58			$\frac{13.58-7.76}{7.76} = 75\%$
7.	4.1	→	2.87			$\frac{2.87-4.1}{4.1} = -30\%$
8.	5.55	→	8.88			$\frac{8.88-5.55}{5.55} = 60\%$
9.	5.3	→	6.36			$\frac{6.36-5.3}{5.3} = 20\%$
10.	5.4	→	4.05			$\frac{4.05-5.4}{5.4} = -25\%$

Percentage Increase/Decrease (F)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	7	→	13.3	 	
2.	7.28	→	5.46	 	
3.	7.7	→	2.31	 	
4.	2.6	→	2.86	 	
5.	4.8	→	0.24	 	
6.	5	→	8	 	
7.	7.6	→	8.74	 	
8.	5	→	2.25	 	
9.	3.05	→	4.27	 	
10.	2	→	1.3	 	

Percentage Increase/Decrease (F) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	7	→	13.3	↑ ↓	$\frac{13.3-7}{7} = 90\%$
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2.	7.28	→	5.46	↑ ↓	$\frac{5.46-7.28}{7.28} = -25\%$
<hr style="border-top: 1px dashed black;"/>					
3.	7.7	→	2.31	↑ ↓	$\frac{2.31-7.7}{7.7} = -70\%$
<hr style="border-top: 1px dashed black;"/>					
4.	2.6	→	2.86	↑ ↓	$\frac{2.86-2.6}{2.6} = 10\%$
<hr style="border-top: 1px dashed black;"/>					
5.	4.8	→	0.24	↑ ↓	$\frac{0.24-4.8}{4.8} = -95\%$
<hr style="border-top: 1px dashed black;"/>					
6.	5	→	8	↑ ↓	$\frac{8-5}{5} = 60\%$
<hr style="border-top: 1px dashed black;"/>					
7.	7.6	→	8.74	↑ ↓	$\frac{8.74-7.6}{7.6} = 15\%$
<hr style="border-top: 1px dashed black;"/>					
8.	5	→	2.25	↑ ↓	$\frac{2.25-5}{5} = -55\%$
<hr style="border-top: 1px dashed black;"/>					
9.	3.05	→	4.27	↑ ↓	$\frac{4.27-3.05}{3.05} = 40\%$
<hr style="border-top: 1px dashed black;"/>					
10.	2	→	1.3	↑ ↓	$\frac{1.3-2}{2} = -35\%$
<hr style="border-top: 1px dashed black;"/>					

Percentage Increase/Decrease (G)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	4.2	→	7.56	 	
2.	9.4	→	0.47	 	
3.	2	→	3.1	 	
4.	9.5	→	16.15	 	
5.	3.88	→	2.91	 	
6.	4.8	→	9.12	 	
7.	3.2	→	2.08	 	
8.	6.92	→	12.11	 	
9.	1.2	→	0.66	 	
10.	8.25	→	4.95	 	

Percentage Increase/Decrease (G) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	4.2	→	7.56		$\frac{7.56-4.2}{4.2} = 80\%$
2.	9.4	→	0.47		$\frac{0.47-9.4}{9.4} = -95\%$
3.	2	→	3.1		$\frac{3.1-2}{2} = 55\%$
4.	9.5	→	16.15		$\frac{16.15-9.5}{9.5} = 70\%$
5.	3.88	→	2.91		$\frac{2.91-3.88}{3.88} = -25\%$
6.	4.8	→	9.12		$\frac{9.12-4.8}{4.8} = 90\%$
7.	3.2	→	2.08		$\frac{2.08-3.2}{3.2} = -35\%$
8.	6.92	→	12.11		$\frac{12.11-6.92}{6.92} = 75\%$
9.	1.2	→	0.66		$\frac{0.66-1.2}{1.2} = -45\%$
10.	8.25	→	4.95		$\frac{4.95-8.25}{8.25} = -40\%$

Percentage Increase/Decrease (H)

Name: _____


Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	3.8	→	7.03	 	

2.	2.4	→	2.16	 	

3.	5.2	→	5.98	 	


4.	3.6	→	3.78	 	

5.	6.8	→	9.52	 	

6.	1.4	→	1.89	 	

7.	5.4	→	2.43	 	

8.	5.4	→	3.78	 	

9.	7.4	→	4.07	 	

10.	9.4	→	7.52	 	

Percentage Increase/Decrease (H) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.






	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	3.8	→	7.03		$\frac{7.03-3.8}{3.8} = 85\%$
2.	2.4	→	2.16		$\frac{2.16-2.4}{2.4} = -10\%$
3.	5.2	→	5.98		$\frac{5.98-5.2}{5.2} = 15\%$
4.	3.6	→	3.78		$\frac{3.78-3.6}{3.6} = 5\%$
5.	6.8	→	9.52		$\frac{9.52-6.8}{6.8} = 40\%$
6.	1.4	→	1.89		$\frac{1.89-1.4}{1.4} = 35\%$
7.	5.4	→	2.43		$\frac{2.43-5.4}{5.4} = -55\%$
8.	5.4	→	3.78		$\frac{3.78-5.4}{5.4} = -30\%$
9.	7.4	→	4.07		$\frac{4.07-7.4}{7.4} = -45\%$
10.	9.4	→	7.52		$\frac{7.52-9.4}{9.4} = -20\%$

Percentage Increase/Decrease (I)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	4.4	→	6.82	 	
2.	4.4	→	8.58	 	
3.	3.8	→	4.94	 	
4.	9.15	→	1.83	 	
5.	9.84	→	2.46	 	
6.	9.8	→	14.21	 	
7.	6.35	→	5.08	 	
8.	3.5	→	5.95	 	
9.	1.8	→	1.17	 	
10.	3.6	→	3.42	 	

Percentage Increase/Decrease (I) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	4.4	→	6.82		$\frac{6.82-4.4}{4.4} = 55\%$
2.	4.4	→	8.58		$\frac{8.58-4.4}{4.4} = 95\%$
3.	3.8	→	4.94		$\frac{4.94-3.8}{3.8} = 30\%$
4.	9.15	→	1.83		$\frac{1.83-9.15}{9.15} = -80\%$
5.	9.84	→	2.46		$\frac{2.46-9.84}{9.84} = -75\%$
6.	9.8	→	14.21		$\frac{14.21-9.8}{9.8} = 45\%$
7.	6.35	→	5.08		$\frac{5.08-6.35}{6.35} = -20\%$
8.	3.5	→	5.95		$\frac{5.95-3.5}{3.5} = 70\%$
9.	1.8	→	1.17		$\frac{1.17-1.8}{1.8} = -35\%$
10.	3.6	→	3.42		$\frac{3.42-3.6}{3.6} = -5\%$

Percentage Increase/Decrease (J)

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	3.4	→	1.87	 	
2.	7.3	→	4.38	 	
3.	8.8	→	3.96	 	
4.	3.48	→	6.09	 	
5.	8.6	→	14.19	 	
6.	6.2	→	0.31	 	
7.	1.05	→	0.42	 	
8.	8.4	→	15.54	 	
9.	7.7	→	14.63	 	
10.	7.8	→	8.58	 	

Percentage Increase/Decrease (J) Answers

Name: _____

Date: _____

Calculate the percentage increase or decrease.

	Original Amount		New Amount	Increase or Decrease	Percentage Change
1.	3.4	→	1.87	↑ ↓	$\frac{1.87-3.4}{3.4} = -45\%$
2.	7.3	→	4.38	↑ ↓	$\frac{4.38-7.3}{7.3} = -40\%$
3.	8.8	→	3.96	↑ ↓	$\frac{3.96-8.8}{8.8} = -55\%$
4.	3.48	→	6.09	↑ ↓	$\frac{6.09-3.48}{3.48} = 75\%$
5.	8.6	→	14.19	↑ ↓	$\frac{14.19-8.6}{8.6} = 65\%$
6.	6.2	→	0.31	↑ ↓	$\frac{0.31-6.2}{6.2} = -95\%$
7.	1.05	→	0.42	↑ ↓	$\frac{0.42-1.05}{1.05} = -60\%$
8.	8.4	→	15.54	↑ ↓	$\frac{15.54-8.4}{8.4} = 85\%$
9.	7.7	→	14.63	↑ ↓	$\frac{14.63-7.7}{7.7} = 90\%$
10.	7.8	→	8.58	↑ ↓	$\frac{8.58-7.8}{7.8} = 10\%$