




















# Percentage Increase/Decrease (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 8               | → | 8.08       |       |                   |
| 2.  | 8               | → | 7.04       |       |                   |
| 3.  | 9.4             | → | 7.52       |       |                   |
| 4.  | 4               | → | 3.28       |     |                   |
| 5.  | 3               | → | 3.51       |   |                   |
| 6.  | 7.5             | → | 7.8        |   |                   |
| 7.  | 6               | → | 5.88       |   |                   |
| 8.  | 7.5             | → | 6.9        |   |                   |
| 9.  | 1               | → | 1.13       |   |                   |
| 10. | 2               | → | 2.38       |   |                   |

# Percentage Increase/Decrease (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.






|   | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change              |
|---|-----------------|---|------------|---|--------------------------------|
| 1.  | 8               | → | 8.08       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{8.08-8}{8} = 1\%$       |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 2.  | 8               | → | 7.04       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{7.04-8}{8} = -12\%$     |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 3.  | 9.4             | → | 7.52       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{7.52-9.4}{9.4} = -20\%$ |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 4.  | 4               | → | 3.28       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{3.28-4}{4} = -18\%$     |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 5.  | 3               | → | 3.51       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{3.51-3}{3} = 17\%$      |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 6.  | 7.5             | → | 7.8        | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{7.8-7.5}{7.5} = 4\%$    |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 7.  | 6               | → | 5.88       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{5.88-6}{6} = -2\%$      |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 8.  | 7.5             | → | 6.9        | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{6.9-7.5}{7.5} = -8\%$   |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 9.  | 1               | → | 1.13       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{1.13-1}{1} = 13\%$      |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |
| 10.   | 2               | → | 2.38       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{2.38-2}{2} = 19\%$      |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |   |                                |

## Percentage Increase/Decrease (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|       | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-------|-----------------|---|------------|---|-------------------|
| 1.    | 1               | → | 0.99       |       |                   |
| ----- |                 |   |            |   |                   |
| 2.    | 8               | → | 6.64       |       |                   |
| ----- |                 |   |            |   |                   |
| 3.    | 6.75            | → | 5.67       |       |                   |
| ----- |                 |   |            |   |                   |
| 4.    | 5               | → | 5.15       |     |                   |
| ----- |                 |   |            |   |                   |
| 5.    | 2.8             | → | 3.08       |   |                   |
| ----- |                 |   |            |   |                   |
| 6.    | 3.25            | → | 3.12       |   |                   |
| ----- |                 |   |            |   |                   |
| 7.    | 1               | → | 1.02       |   |                   |
| ----- |                 |   |            |   |                   |
| 8.    | 1               | → | 1.11       |   |                   |
| ----- |                 |   |            |   |                   |
| 9.    | 8.2             | → | 6.97       |   |                   |
| ----- |                 |   |            |   |                   |
| 10.   | 4               | → | 4.76       |   |                   |
| ----- |                 |   |            |   |                   |

# Percentage Increase/Decrease (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.











|     | Original Amount |   | New Amount | Increase or Decrease | Percentage Change                |
|-----|-----------------|---|------------|----------------------|----------------------------------|
| 1.  | 1               | → | 0.99       | ↑ ↓                  | $\frac{0.99-1}{1} = -1\%$        |
|     |                 |   |            |                      |                                  |
| 2.  | 8               | → | 6.64       | ↑ ↓                  | $\frac{6.64-8}{8} = -17\%$       |
|     |                 |   |            |                      |                                  |
| 3.  | 6.75            | → | 5.67       | ↑ ↓                  | $\frac{5.67-6.75}{6.75} = -16\%$ |
|     |                 |   |            |                      |                                  |
| 4.  | 5               | → | 5.15       | ↑ ↓                  | $\frac{5.15-5}{5} = 3\%$         |
|     |                 |   |            |                      |                                  |
| 5.  | 2.8             | → | 3.08       | ↑ ↓                  | $\frac{3.08-2.8}{2.8} = 10\%$    |
|     |                 |   |            |                      |                                  |
| 6.  | 3.25            | → | 3.12       | ↑ ↓                  | $\frac{3.12-3.25}{3.25} = -4\%$  |
|     |                 |   |            |                      |                                  |
| 7.  | 1               | → | 1.02       | ↑ ↓                  | $\frac{1.02-1}{1} = 2\%$         |
|     |                 |   |            |                      |                                  |
| 8.  | 1               | → | 1.11       | ↑ ↓                  | $\frac{1.11-1}{1} = 11\%$        |
|     |                 |   |            |                      |                                  |
| 9.  | 8.2             | → | 6.97       | ↑ ↓                  | $\frac{6.97-8.2}{8.2} = -15\%$   |
|     |                 |   |            |                      |                                  |
| 10. | 4               | → | 4.76       | ↑ ↓                  | $\frac{4.76-4}{4} = 19\%$        |

# Percentage Increase/Decrease (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 7               | → | 8.26       |       |                   |
| 2.  | 8               | → | 7.92       |       |                   |
| 3.  | 3               | → | 2.79       |       |                   |
| 4.  | 3.25            | → | 3.64       |     |                   |
| 5.  | 5               | → | 5.45       |   |                   |
| 6.  | 1.5             | → | 1.44       |   |                   |
| 7.  | 9.1             | → | 10.92      |   |                   |
| 8.  | 8               | → | 9.04       |   |                   |
| 9.  | 8               | → | 6.64       |   |                   |
| 10. | 1               | → | 0.81       |   |                   |

# Percentage Increase/Decrease (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.





















|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change               |
|-----|-----------------|---|------------|---|---------------------------------|
| 1.  | 7               | → | 8.26       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{8.26-7}{7} = 18\%$       |
|     |                 |   |            |   |                                 |
| 2.  | 8               | → | 7.92       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{7.92-8}{8} = -1\%$       |
|     |                 |   |            |   |                                 |
| 3.  | 3               | → | 2.79       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{2.79-3}{3} = -7\%$       |
|     |                 |   |            |   |                                 |
| 4.  | 3.25            | → | 3.64       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{3.64-3.25}{3.25} = 12\%$ |
|     |                 |   |            |   |                                 |
| 5.  | 5               | → | 5.45       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{5.45-5}{5} = 9\%$        |
|     |                 |   |            |   |                                 |
| 6.  | 1.5             | → | 1.44       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{1.44-1.5}{1.5} = -4\%$   |
|     |                 |   |            |   |                                 |
| 7.  | 9.1             | → | 10.92      | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{10.92-9.1}{9.1} = 20\%$  |
|     |                 |   |            |   |                                 |
| 8.  | 8               | → | 9.04       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{9.04-8}{8} = 13\%$       |
|     |                 |   |            |   |                                 |
| 9.  | 8               | → | 6.64       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{6.64-8}{8} = -17\%$      |
|     |                 |   |            |   |                                 |
| 10. | 1               | → | 0.81       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{0.81-1}{1} = -19\%$      |
|     |                 |   |            |   |                                 |

# Percentage Increase/Decrease (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 7               | → | 7.7        |       |                   |
| 2.  | 8               | → | 9.52       |       |                   |
| 3.  | 7               | → | 6.02       |       |                   |
| 4.  | 2               | → | 2.04       |     |                   |
| 5.  | 2               | → | 1.78       |   |                   |
| 6.  | 3               | → | 2.91       |   |                   |
| 7.  | 9               | → | 8.37       |   |                   |
| 8.  | 1.5             | → | 1.59       |   |                   |
| 9.  | 2               | → | 2.4        |   |                   |
| 10. | 9               | → | 8.55       |   |                   |

# Percentage Increase/Decrease (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change            |
|-----|-----------------|---|------------|---|------------------------------|
| 1.  | 7               | → | 7.7        | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{7.7-7}{7} = 10\%$     |
|     |                 |   |            |   |                              |
| 2.  | 8               | → | 9.52       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{9.52-8}{8} = 19\%$    |
|     |                 |   |            |   |                              |
| 3.  | 7               | → | 6.02       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{6.02-7}{7} = -14\%$   |
|     |                 |   |            |   |                              |
| 4.  | 2               | → | 2.04       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{2.04-2}{2} = 2\%$     |
|     |                 |   |            |   |                              |
| 5.  | 2               | → | 1.78       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{1.78-2}{2} = -11\%$   |
|     |                 |   |            |   |                              |
| 6.  | 3               | → | 2.91       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{2.91-3}{3} = -3\%$    |
|     |                 |   |            |   |                              |
| 7.  | 9               | → | 8.37       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{8.37-9}{9} = -7\%$    |
|     |                 |   |            |   |                              |
| 8.  | 1.5             | → | 1.59       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{1.59-1.5}{1.5} = 6\%$ |
|     |                 |   |            |   |                              |
| 9.  | 2               | → | 2.4        | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{2.4-2}{2} = 20\%$     |
|     |                 |   |            |   |                              |
| 10. | 9               | → | 8.55       | <span style="color: green;">↑</span> <span style="color: red;">↓</span> | $\frac{8.55-9}{9} = -5\%$    |
|     |                 |   |            |   |                              |























# Percentage Increase/Decrease (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 5               | → | 5.05       |       |                   |
| 2.  | 1.4             | → | 1.47       |       |                   |
| 3.  | 3               | → | 2.49       |       |                   |
| 4.  | 3               | → | 2.67       |     |                   |
| 5.  | 8               | → | 9.2        |   |                   |
| 6.  | 9.5             | → | 11.21      |   |                   |
| 7.  | 5.75            | → | 6.67       |   |                   |
| 8.  | 2               | → | 1.96       |   |                   |
| 9.  | 6               | → | 5.82       |   |                   |
| 10. | 3.4             | → | 2.72       |   |                   |

# Percentage Increase/Decrease (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.





















|     | Original Amount |   | New Amount | Increase or Decrease | Percentage Change               |
|-----|-----------------|---|------------|----------------------|---------------------------------|
| 1.  | 5               | → | 5.05       |                      | $\frac{5.05-5}{5} = 1\%$        |
|     |                 |   |            |                      |                                 |
| 2.  | 1.4             | → | 1.47       |                      | $\frac{1.47-1.4}{1.4} = 5\%$    |
|     |                 |   |            |                      |                                 |
| 3.  | 3               | → | 2.49       |                      | $\frac{2.49-3}{3} = -17\%$      |
|     |                 |   |            |                      |                                 |
| 4.  | 3               | → | 2.67       |                      | $\frac{2.67-3}{3} = -11\%$      |
|     |                 |   |            |                      |                                 |
| 5.  | 8               | → | 9.2        |                      | $\frac{9.2-8}{8} = 15\%$        |
|     |                 |   |            |                      |                                 |
| 6.  | 9.5             | → | 11.21      |                      | $\frac{11.21-9.5}{9.5} = 18\%$  |
|     |                 |   |            |                      |                                 |
| 7.  | 5.75            | → | 6.67       |                      | $\frac{6.67-5.75}{5.75} = 16\%$ |
|     |                 |   |            |                      |                                 |
| 8.  | 2               | → | 1.96       |                      | $\frac{1.96-2}{2} = -2\%$       |
|     |                 |   |            |                      |                                 |
| 9.  | 6               | → | 5.82       |                      | $\frac{5.82-6}{6} = -3\%$       |
|     |                 |   |            |                      |                                 |
| 10. | 3.4             | → | 2.72       |                      | $\frac{2.72-3.4}{3.4} = -20\%$  |
|     |                 |   |            |                      |                                 |

# Percentage Increase/Decrease (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|       | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-------|-----------------|---|------------|---|-------------------|
| 1.    | 4               | → | 3.84       |       |                   |
| ----- |                 |   |            |   |                   |
| 2.    | 2               | → | 2.06       |       |                   |
| ----- |                 |   |            |   |                   |
| 3.    | 9               | → | 9.63       |       |                   |
| ----- |                 |   |            |   |                   |
| 4.    | 9               | → | 8.91       |     |                   |
| ----- |                 |   |            |   |                   |
| 5.    | 1.35            | → | 1.62       |   |                   |
| ----- |                 |   |            |   |                   |
| 6.    | 9               | → | 8.19       |   |                   |
| ----- |                 |   |            |   |                   |
| 7.    | 9               | → | 7.83       |   |                   |
| ----- |                 |   |            |   |                   |
| 8.    | 9               | → | 10.44      |   |                   |
| ----- |                 |   |            |   |                   |
| 9.    | 5.75            | → | 6.44       |   |                   |
| ----- |                 |   |            |   |                   |
| 10.   | 9.6             | → | 8.64       |   |                   |
| ----- |                 |   |            |   |                   |

# Percentage Increase/Decrease (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.



















|     | Original Amount |   | New Amount | Increase or Decrease | Percentage Change               |
|-----|-----------------|---|------------|----------------------|---------------------------------|
| 1.  | 4               | → | 3.84       | ↑ ↓                  | $\frac{3.84-4}{4} = -4\%$       |
|     |                 |   |            |                      |                                 |
| 2.  | 2               | → | 2.06       | ↑ ↓                  | $\frac{2.06-2}{2} = 3\%$        |
|     |                 |   |            |                      |                                 |
| 3.  | 9               | → | 9.63       | ↑ ↓                  | $\frac{9.63-9}{9} = 7\%$        |
|     |                 |   |            |                      |                                 |
| 4.  | 9               | → | 8.91       | ↑ ↓                  | $\frac{8.91-9}{9} = -1\%$       |
|     |                 |   |            |                      |                                 |
| 5.  | 1.35            | → | 1.62       | ↑ ↓                  | $\frac{1.62-1.35}{1.35} = 20\%$ |
|     |                 |   |            |                      |                                 |
| 6.  | 9               | → | 8.19       | ↑ ↓                  | $\frac{8.19-9}{9} = -9\%$       |
|     |                 |   |            |                      |                                 |
| 7.  | 9               | → | 7.83       | ↑ ↓                  | $\frac{7.83-9}{9} = -13\%$      |
|     |                 |   |            |                      |                                 |
| 8.  | 9               | → | 10.44      | ↑ ↓                  | $\frac{10.44-9}{9} = 16\%$      |
|     |                 |   |            |                      |                                 |
| 9.  | 5.75            | → | 6.44       | ↑ ↓                  | $\frac{6.44-5.75}{5.75} = 12\%$ |
|     |                 |   |            |                      |                                 |
| 10. | 9.6             | → | 8.64       | ↑ ↓                  | $\frac{8.64-9.6}{9.6} = -10\%$  |
|     |                 |   |            |                      |                                 |

# Percentage Increase/Decrease (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 8.8             | → | 9.68       |       |                   |
| 2.  | 1               | → | 0.82       |       |                   |
| 3.  | 1.8             | → | 1.71       |       |                   |
| 4.  | 7               | → | 7.07       |     |                   |
| 5.  | 4.6             | → | 3.91       |   |                   |
| 6.  | 9.5             | → | 10.26      |   |                   |
| 7.  | 5               | → | 4.05       |   |                   |
| 8.  | 2               | → | 2.06       |   |                   |
| 9.  | 3               | → | 2.79       |   |                   |
| 10. | 4               | → | 4.44       |   |                   |

# Percentage Increase/Decrease (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.





















|     | Original Amount |   | New Amount | Increase or Decrease | Percentage Change              |
|-----|-----------------|---|------------|----------------------|--------------------------------|
| 1.  | 8.8             | → | 9.68       |                      | $\frac{9.68-8.8}{8.8} = 10\%$  |
|     |                 |   |            |                      |                                |
| 2.  | 1               | → | 0.82       |                      | $\frac{0.82-1}{1} = -18\%$     |
|     |                 |   |            |                      |                                |
| 3.  | 1.8             | → | 1.71       |                      | $\frac{1.71-1.8}{1.8} = -5\%$  |
|     |                 |   |            |                      |                                |
| 4.  | 7               | → | 7.07       |                      | $\frac{7.07-7}{7} = 1\%$       |
|     |                 |   |            |                      |                                |
| 5.  | 4.6             | → | 3.91       |                      | $\frac{3.91-4.6}{4.6} = -15\%$ |
|     |                 |   |            |                      |                                |
| 6.  | 9.5             | → | 10.26      |                      | $\frac{10.26-9.5}{9.5} = 8\%$  |
|     |                 |   |            |                      |                                |
| 7.  | 5               | → | 4.05       |                      | $\frac{4.05-5}{5} = -19\%$     |
|     |                 |   |            |                      |                                |
| 8.  | 2               | → | 2.06       |                      | $\frac{2.06-2}{2} = 3\%$       |
|     |                 |   |            |                      |                                |
| 9.  | 3               | → | 2.79       |                      | $\frac{2.79-3}{3} = -7\%$      |
|     |                 |   |            |                      |                                |
| 10. | 4               | → | 4.44       |                      | $\frac{4.44-4}{4} = 11\%$      |
|     |                 |   |            |                      |                                |

# Percentage Increase/Decrease (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 8               | → | 7.12       |       |                   |
| 2.  | 5               | → | 5.05       |       |                   |
| 3.  | 9               | → | 10.53      |       |                   |
| 4.  | 6               | → | 6.36       |     |                   |
| 5.  | 8               | → | 7.76       |   |                   |
| 6.  | 3               | → | 2.79       |   |                   |
| 7.  | 7.75            | → | 8.06       |   |                   |
| 8.  | 4               | → | 3.48       |   |                   |
| 9.  | 4               | → | 3.44       |   |                   |
| 10. | 7               | → | 7.35       |   |                   |

# Percentage Increase/Decrease (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|   | Original Amount |   | New Amount | Increase or Decrease | Percentage Change              |
|---|-----------------|---|------------|----------------------|--------------------------------|
| 1.  | 8               | → | 7.12       | ↑ ↓                  | $\frac{7.12-8}{8} = -11\%$     |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 2.  | 5               | → | 5.05       | ↑ ↓                  | $\frac{5.05-5}{5} = 1\%$       |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 3.  | 9               | → | 10.53      | ↑ ↓                  | $\frac{10.53-9}{9} = 17\%$     |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 4.  | 6               | → | 6.36       | ↑ ↓                  | $\frac{6.36-6}{6} = 6\%$       |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 5.  | 8               | → | 7.76       | ↑ ↓                  | $\frac{7.76-8}{8} = -3\%$      |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 6.  | 3               | → | 2.79       | ↑ ↓                  | $\frac{2.79-3}{3} = -7\%$      |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 7.  | 7.75            | → | 8.06       | ↑ ↓                  | $\frac{8.06-7.75}{7.75} = 4\%$ |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 8.  | 4               | → | 3.48       | ↑ ↓                  | $\frac{3.48-4}{4} = -13\%$     |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 9.  | 4               | → | 3.44       | ↑ ↓                  | $\frac{3.44-4}{4} = -14\%$     |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                |
| 10.   | 7               | → | 7.35       | ↑ ↓                  | $\frac{7.35-7}{7} = 5\%$       |





















# Percentage Increase/Decrease (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 8.75            | → | 9.1        |       |                   |
| 2.  | 9.5             | → | 11.21      |       |                   |
| 3.  | 9.6             | → | 9.12       |       |                   |
| 4.  | 4.75            | → | 5.51       |     |                   |
| 5.  | 7               | → | 7.63       |   |                   |
| 6.  | 5               | → | 4.95       |   |                   |
| 7.  | 7               | → | 7.91       |   |                   |
| 8.  | 2.3             | → | 2.07       |   |                   |
| 9.  | 5               | → | 4.7        |   |                   |
| 10. | 2.2             | → | 1.87       |   |                   |

# Percentage Increase/Decrease (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.





















|   | Original Amount |   | New Amount | Increase or Decrease | Percentage Change               |
|---|-----------------|---|------------|----------------------|---------------------------------|
| 1.  | 8.75            | → | 9.1        | ↑ ↓                  | $\frac{9.1-8.75}{8.75} = 4\%$   |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 2.  | 9.5             | → | 11.21      | ↑ ↓                  | $\frac{11.21-9.5}{9.5} = 18\%$  |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 3.  | 9.6             | → | 9.12       | ↑ ↓                  | $\frac{9.12-9.6}{9.6} = -5\%$   |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 4.  | 4.75            | → | 5.51       | ↑ ↓                  | $\frac{5.51-4.75}{4.75} = 16\%$ |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 5.  | 7               | → | 7.63       | ↑ ↓                  | $\frac{7.63-7}{7} = 9\%$        |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 6.  | 5               | → | 4.95       | ↑ ↓                  | $\frac{4.95-5}{5} = -1\%$       |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 7.  | 7               | → | 7.91       | ↑ ↓                  | $\frac{7.91-7}{7} = 13\%$       |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 8.  | 2.3             | → | 2.07       | ↑ ↓                  | $\frac{2.07-2.3}{2.3} = -10\%$  |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 9.  | 5               | → | 4.7        | ↑ ↓                  | $\frac{4.7-5}{5} = -6\%$        |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |
| 10.   | 2.2             | → | 1.87       | ↑ ↓                  | $\frac{1.87-2.2}{2.2} = -15\%$  |
| <hr style="border-top: 1px dashed black;"/> |                 |   |            |                      |                                 |

# Percentage Increase/Decrease (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease  | Percentage Change |
|-----|-----------------|---|------------|---|-------------------|
| 1.  | 3               | → | 3.39       |       |                   |
| 2.  | 4.5             | → | 5.13       |       |                   |
| 3.  | 3               | → | 2.43       |       |                   |
| 4.  | 2               | → | 1.66       |     |                   |
| 5.  | 6.5             | → | 6.89       |   |                   |
| 6.  | 6.1             | → | 6.71       |   |                   |
| 7.  | 2               | → | 2.02       |   |                   |
| 8.  | 8               | → | 7.12       |   |                   |
| 9.  | 4               | → | 3.8        |   |                   |
| 10. | 5               | → | 4          |   |                   |

# Percentage Increase/Decrease (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate the percentage increase or decrease.

|     | Original Amount |   | New Amount | Increase or Decrease | Percentage Change             |
|-----|-----------------|---|------------|----------------------|-------------------------------|
| 1.  | 3               | → | 3.39       |                      | $\frac{3.39-3}{3} = 13\%$     |
|     |                 |   |            |                      |                               |
| 2.  | 4.5             | → | 5.13       |                      | $\frac{5.13-4.5}{4.5} = 14\%$ |
|     |                 |   |            |                      |                               |
| 3.  | 3               | → | 2.43       |                      | $\frac{2.43-3}{3} = -19\%$    |
|     |                 |   |            |                      |                               |
| 4.  | 2               | → | 1.66       |                      | $\frac{1.66-2}{2} = -17\%$    |
|     |                 |   |            |                      |                               |
| 5.  | 6.5             | → | 6.89       |                      | $\frac{6.89-6.5}{6.5} = 6\%$  |
|     |                 |   |            |                      |                               |
| 6.  | 6.1             | → | 6.71       |                      | $\frac{6.71-6.1}{6.1} = 10\%$ |
|     |                 |   |            |                      |                               |
| 7.  | 2               | → | 2.02       |                      | $\frac{2.02-2}{2} = 1\%$      |
|     |                 |   |            |                      |                               |
| 8.  | 8               | → | 7.12       |                      | $\frac{7.12-8}{8} = -11\%$    |
|     |                 |   |            |                      |                               |
| 9.  | 4               | → | 3.8        |                      | $\frac{3.8-4}{4} = -5\%$      |
|     |                 |   |            |                      |                               |
| 10. | 5               | → | 4          |                      | $\frac{4-5}{5} = -20\%$       |
|     |                 |   |            |                      |                               |