

Percent — Decimal → percent

Name: _____

Date: _____



Write each decimal as a percent.

1 $0.40 = \underline{40\%}$

2 $0.11 = \underline{\hspace{2cm}}$

3 $0.59 = \underline{\hspace{2cm}}$

4 $0.8 = \underline{\hspace{2cm}}$

5 $0.30 = \underline{\hspace{2cm}}$

6 $0.82 = \underline{\hspace{2cm}}$

7 $0.98 = \underline{\hspace{2cm}}$

8 $0.26 = \underline{\hspace{2cm}}$

9 $0.75 = \underline{\hspace{2cm}}$

10 $0.79 = \underline{\hspace{2cm}}$

11 $0.56 = \underline{\hspace{2cm}}$

12 $0.96 = \underline{\hspace{2cm}}$



Percent — Percent → decimal

Name: _____

Date: _____



Write each percent as a decimal.

1 $59\% = \underline{0.59}$

2 $50\% = \underline{\hspace{2cm}}$

3 $66\% = \underline{\hspace{2cm}}$

4 $10\% = \underline{\hspace{2cm}}$

5 $80\% = \underline{\hspace{2cm}}$

6 $43\% = \underline{\hspace{2cm}}$

7 $27\% = \underline{\hspace{2cm}}$

8 $72\% = \underline{\hspace{2cm}}$

9 $8\% = \underline{\hspace{2cm}}$

10 $30\% = \underline{\hspace{2cm}}$

11 $86\% = \underline{\hspace{2cm}}$

12 $75\% = \underline{\hspace{2cm}}$



Percent — Percent of a number

Name: _____

Date: _____



Find the percent of each number.

1 50% of 108 = 54

2 20% of 180 = _____

3 75% of 176 = _____

4 25% of 160 = _____

5 75% of 188 = _____

6 60% of 150 = _____

7 50% of 136 = _____

8 25% of 120 = _____

9 75% of 136 = _____

10 80% of 30 = _____

11 60% of 75 = _____

12 60% of 60 = _____



Percent — Find the percent

Name: _____

Date: _____



What percent is the first number of the second?

1 132 out of 176 = 75%

2 147 out of 196 = _____

3 15 out of 75 = _____

4 4 out of 20 = _____

5 42 out of 168 = _____

6 61 out of 122 = _____

7 79 out of 158 = _____

8 72 out of 144 = _____

9 31 out of 62 = _____

10 37 out of 148 = _____

11 8 out of 16 = _____

12 30 out of 150 = _____



Percent — Percent increase

Name: _____

Date: _____



Work out each new amount.

1 80% more than 10 = 18

2 5% more than 40 = ____

3 25% more than 112 = ____

4 25% more than 40 = ____

5 75% more than 140 = ____

6 10% more than 60 = ____

7 40% more than 85 = ____

8 60% more than 135 = ____

9 80% more than 105 = ____

10 20% more than 70 = ____

11 50% more than 166 = ____

12 20% more than 155 = ____



Percent — Percent decrease

Name: _____

Date: _____



Work out each new amount.

1 80% less than 195 = 39

2 75% less than 56 = ____

3 40% less than 65 = ____

4 60% less than 120 = ____

5 50% less than 36 = ____

6 60% less than 35 = ____

7 50% less than 162 = ____

8 60% less than 75 = ____

9 25% less than 92 = ____

10 40% less than 195 = ____

11 80% less than 165 = ____

12 75% less than 8 = ____



Percent — Percent of change

Name: _____

Date: _____



Find the percent of change.

1 the decrease from 44 to 33 = 25%

2 the increase from 124 to 217 = _____

3 the decrease from 60 to 48 = _____

4 the increase from 75 to 105 = _____

5 the increase from 120 to 132 = _____

6 the increase from 60 to 78 = _____

7 the decrease from 5 to 1 = _____

8 the increase from 70 to 84 = _____

9 the decrease from 130 to 91 = _____

10 the increase from 35 to 49 = _____

11 the decrease from 40 to 34 = _____

12 the increase from 65 to 104 = _____



Power Pack · Percents — Answer key



Decimals to percents

- | | | | |
|------------------|-------------------|-------------------|-------------------|
| 1. $0.40 = 40\%$ | 2. $0.11 = 11\%$ | 3. $0.59 = 59\%$ | 4. $0.8 = 80\%$ |
| 5. $0.30 = 30\%$ | 6. $0.82 = 82\%$ | 7. $0.98 = 98\%$ | 8. $0.26 = 26\%$ |
| 9. $0.75 = 75\%$ | 10. $0.79 = 79\%$ | 11. $0.56 = 56\%$ | 12. $0.96 = 96\%$ |

Percents to decimals

- | | | | |
|------------------|------------------|-------------------|-------------------|
| 1. $59\% = 0.59$ | 2. $50\% = 0.5$ | 3. $66\% = 0.66$ | 4. $10\% = 0.1$ |
| 5. $80\% = 0.8$ | 6. $43\% = 0.43$ | 7. $27\% = 0.27$ | 8. $72\% = 0.72$ |
| 9. $8\% = 0.08$ | 10. $30\% = 0.3$ | 11. $86\% = 0.86$ | 12. $75\% = 0.75$ |

Percent of a number

- | | | | |
|------------------------|-----------------------|------------------------|-----------------------|
| 1. 50% of 108 = 54 | 2. 20% of 180 = 36 | 3. 75% of 176 = 132 | 4. 25% of 160 = 40 |
| 5. 75% of 188 = 141 | 6. 60% of 150 = 90 | 7. 50% of 136 = 68 | 8. 25% of 120 = 30 |
| 9. 75% of 136 = 102 | 10. 80% of 30 = 24 | 11. 60% of 75 = 45 | 12. 60% of 60 = 36 |

What percent is it?

- | | | | |
|-------------------------|-------------------------|------------------------|-------------------------|
| 1. 132 out of 176 = 75% | 2. 147 out of 196 = 75% | 3. 15 out of 75 = 20% | 4. 4 out of 20 = 20% |
| 5. 42 out of 168 = 25% | 6. 61 out of 122 = 50% | 7. 79 out of 158 = 50% | 8. 72 out of 144 = 50% |
| 9. 31 out of 62 = 50% | 10. 37 out of 148 = 25% | 11. 8 out of 16 = 50% | 12. 30 out of 150 = 20% |

Percent increase

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| 1. 80% more than 10 = 18 | 2. 5% more than 40 = 42 | 3. 25% more than 112 = 140 | 4. 25% more than 40 = 50 |
| 5. 75% more than 140 = 245 | 6. 10% more than 60 = 66 | 7. 40% more than 85 = 119 | 8. 60% more than 135 = 216 |
| 9. 80% more than 105 = 189 | 10. 20% more than 70 = 84 | 11. 50% more than 166 = 249 | 12. 20% more than 155 = 186 |

Percent decrease

- | | | | |
|---------------------------|--------------------------|---------------------------|---------------------------|
| 1. 80% less than 195 = 39 | 2. 75% less than 56 = 14 | 3. 40% less than 65 = 39 | 4. 60% less than 120 = 48 |
| 5. 50% less than 36 = 18 | 6. 60% less than 35 = 14 | 7. 50% less than 162 = 81 | 8. 60% less than 75 = 30 |

Power Pack · Percents — Answer key



Percent decrease

9. 25% less than 92 = 69

10. 40% less than 195 =
117

11. 80% less than 165 = 33

12. 75% less than 8 = 2

Percent change

1. the decrease from 44 to
33 = 25%

2. the increase from 124 to
217 = 75%

3. the decrease from 60 to
48 = 20%

4. the increase from 75 to
105 = 40%

5. the increase from 120 to
132 = 10%

6. the increase from 60 to
78 = 30%

7. the decrease from 5 to 1
= 80%

8. the increase from 70 to
84 = 20%

9. the decrease from 130 to
91 = 30%

10. the increase from 35 to
49 = 40%

11. the decrease from 40 to
34 = 15%

12. the increase from 65 to
104 = 60%