

Percent word problems — Sales tax

Name: _____

Date: _____



Work out the total cost after sales tax.

- 1 A \$300 game has 15% sales tax.

What is the total cost? \$345

- 2 A \$300 game has 10% sales tax.

What is the total cost? ____

- 3 A \$410 game has 40% sales tax.

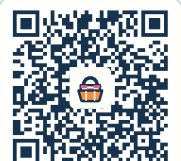
What is the total cost? ____

- 4 A \$70 game has 20% sales tax.

What is the total cost? ____

- 5 A \$105 game has 40% sales tax.

What is the total cost? ____



Percent word problems — Tips

Name: _____

Date: _____



Work out the tip on each bill.

- 1 A restaurant bill comes to \$15.
How much is a 40% tip? \$6

- 2 A restaurant bill comes to \$456.
How much is a 25% tip? ____

- 3 A restaurant bill comes to \$50.
How much is a 40% tip? ____

- 4 A restaurant bill comes to \$280.
How much is a 30% tip? ____

- 5 A restaurant bill comes to \$182.
How much is a 50% tip? ____



Percent word problems — Discounts

Name: _____

Date: _____



Work out the sale price after each discount.

- 1 A \$134 jacket is 50% off.
What is the sale price? \$67

- 2 A \$448 jacket is 50% off.
What is the sale price? ____

- 3 A \$448 jacket is 25% off.
What is the sale price? ____

- 4 A \$170 jacket is 30% off.
What is the sale price? ____

- 5 A \$365 jacket is 20% off.
What is the sale price? ____



Percent word problems — Simple interest

Name: _____

Date: _____



Work out the simple interest on each amount.

- 1 \$2375 earns 20% simple interest a year.

How much interest after 3 years? \$1425

- 2 \$1275 earns 12% simple interest a year.

How much interest after 2 years? _____

- 3 \$500 earns 5% simple interest a year.

How much interest after 1 year? _____

- 4 \$3500 earns 8% simple interest a year.

How much interest after 5 years? _____

- 5 \$3000 earns 6% simple interest a year.

How much interest after 4 years? _____



Percent word problems — Percent error

Name: _____

Date: _____



Work out the percent error of each measurement.

- 1 The true value is 350, but it was measured as 280.

What is the percent error? 20%

- 2 The true value is 196, but it was measured as 147.

What is the percent error? _____

- 3 The true value is 260, but it was measured as 299.

What is the percent error? _____

- 4 The true value is 500, but it was measured as 540.

What is the percent error? _____

- 5 The true value is 75, but it was measured as 66.

What is the percent error? _____



Percent word problems — Find the whole

Name: _____

Date: _____



Work out the whole number each part comes from.

- 1 140 is 40% of a number.

What is the number? 350

- 2 24 is 15% of a number.

What is the number? ____

- 3 184 is 50% of a number.

What is the number? ____

- 4 66 is 12% of a number.

What is the number? ____

- 5 36 is 30% of a number.

What is the number? ____



Power Pack · Percent problems — Answer key



Sales tax

1. A \$300 game has 15% sales tax. What is the total cost? → \$345

2. A \$300 game has 10% sales tax. What is the total cost? → \$330

3. A \$410 game has 40% sales tax. What is the total cost? → \$574

4. A \$70 game has 20% sales tax. What is the total cost? → \$84

5. A \$105 game has 40% sales tax. What is the total cost? → \$147

Tip

1. A restaurant bill comes to \$15. How much is a 40% tip? → \$6

2. A restaurant bill comes to \$456. How much is a 25% tip? → \$114

3. A restaurant bill comes to \$50. How much is a 40% tip? → \$20

4. A restaurant bill comes to \$280. How much is a 30% tip? → \$84

5. A restaurant bill comes to \$182. How much is a 50% tip? → \$91

Discount

1. A \$134 jacket is 50% off. What is the sale price? → \$67

2. A \$448 jacket is 50% off. What is the sale price? → \$224

3. A \$448 jacket is 25% off. What is the sale price? → \$336

4. A \$170 jacket is 30% off. What is the sale price? → \$119

5. A \$365 jacket is 20% off. What is the sale price? → \$292

Simple interest

1. \$2375 earns 20% simple interest a year. How much interest after 3 years? → \$1425

2. \$1275 earns 12% simple interest a year. How much interest after 2 years? → \$306

3. \$500 earns 5% simple interest a year. How much interest after 1 year? → \$25

4. \$3500 earns 8% simple interest a year. How much interest after 5 years? → \$1400

5. \$3000 earns 6% simple interest a year. How much interest after 4 years? → \$720

Power Pack · Percent problems — Answer key



Percent error

1. The true value is 350, but it was measured as 280. What is the percent error? → 20%

2. The true value is 196, but it was measured as 147. What is the percent error? → 25%

3. The true value is 260, but it was measured as 299. What is the percent error? → 15%

4. The true value is 500, but it was measured as 540. What is the percent error? → 8%

5. The true value is 75, but it was measured as 66. What is the percent error? → 12%

Find the whole

1. 140 is 40% of a number. What is the number? → 350

2. 24 is 15% of a number. What is the number? → 160

3. 184 is 50% of a number. What is the number? → 368

4. 66 is 12% of a number. What is the number? → 550

5. 36 is 30% of a number. What is the number? → 120