THIRD SPACE LEARNING

Percents Check for Understanding

A 15 question retrieval quiz for students in grades 6 and 7.

Grades 6 and 7

Questions

Name: .... Class: ....
Date: .... Score: ....

1 Find 25% of 450.

Answer

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2 60 sixth graders are at a school dance. If 40% of the school's sixth graders are at the dance, how many sixth graders are there in all at the school?

Answer

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3 A garden club planted 260 seeds in the spring. If 45% of the seeds became full grown plants by the fall, how many full grown plants did the garden club have?

Answer

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4 What is the percent change from $96 to $120?

Answer

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5 Raul bought a gaming system for $1,100. 2 years later, Raul sold the gaming system for $935. What is Raul's percent loss?

Answer

6 Nevaeh bought a painting for $245. She sold it for $565. What is Nevaeh's percent profit?

Answer

7 A computer was priced at $600 and was reduced by 10% in a sale. 2 weeks later, the sale price was reduced by 10%. What is the overall percentage reduction in price?

Answer

8 Decrease 3,400 mL by 80%.

Answer

9 Increase 4.5 m by 30%.

Answer

10 A year ago, Maryam bought a rare coin for $34. Since then, the value increased by 40%. What is the value of the coin now?

Answer

11 A pair of shoes that costs $24.99 is reduced by 20% in a sale. What is the sale price of the shoes?

Answer

12 A toy company estimated that they would sell 450 toys over the weekend. Instead, they sold 375 toys. What was the percent error of their estimate?

Answer

13 The committee estimated that they would sell 300 tickets to the event. They sold 378 tickets. What was the percent error of their estimate?

Answer

14 A car is bought for $15,000 and loses 8% of its value per year, simple interest. What is the value of the car after 8 years?

Answer

15 An investment of $170 is made at a simple interest rate of 6% per year for 4 years. What is the value of the investment after this time?

Answer

Answers

Question number	Question	Answers	Standard
1	Find 25% of 450.	112.5	6.RP.A.3c
2	60 sixth graders are at a school dance. If 40% of the school's sixth graders are at the dance, how many sixth graders are there in all at the school?	150 sixth grade students	6.RP.A.3c
3	A garden club planted 260 seeds in the spring. If 45% of the seeds became full grown plants by the fall, how many full grown plants did the garden club have?	117 full grown plants	6.RP.A.3c
4	What is the percent change from $96 to $120?	25% increase	7.RP.A.3
5	Raul bought a gaming system for $1,100. 2 years later, Raul sold the gaming system for $935. What is Raul's percent loss?	15% loss	7.RP.A.3
6	Nevaeh bought a painting for $245. She sold it for $565. What is Nevaeh's percent profit?	130.612% profit	7.RP.A.3
7	A computer was priced at $600 and was reduced by 10% in a sale. 2 weeks later, the sale price was reduced by 10%. What is the overall percentage reduction in price?	19% overall reduction in price	7.RP.A.3
8	Decrease 3,400 mL by 80%.	680 ml	7.RP.A.3

Question number	Question	Answers	Standard
9	Increase 4.5 m by 30%.	5.85 m	7.RP.A.3
10	A year ago, Maryam bought a rare coin for $34. Since then, the value increased by 40%. What is the value of the coin now?	$47.60	7.RP.A.3
11	A pair of shoes that costs $24.99 is reduced by 20% in a sale. What is the sale price of the shoes?	$19.99	7.RP.A.3
12	A toy company estimated that they would sell 450 toys over the weekend. Instead, they sold 375 toys. What was the percent error of their estimate?	16.67%	7.RP.A.3
13	The committee estimated that they would sell 300 tickets to the event. They sold 378 tickets. What was the percent error of their estimate?	26%	7.RP.A.3
14	A car is bought for $15,000 and loses 8% of its value per year, simple interest. What is the value of the car after 8 years?	$5,400	7.RP.A.3
15	An investment of $170 is made at a simple interest rate of 6% per year for 4 years. What is the value of the investment after this time?	$210.80	7.RP.A.3

Do you have a group of students who need a boost in math?

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- Differentiated instruction for each student
- Aligned to your state's standard
- Scaffolded learning to close gaps

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