

Simple and compound interest

Write each as a percent. Round to the nearest tenth of a percent.

1) 0.961

2) 0.004

3) 0.721

4) 0.93

5) 0.29

6) 0.62

Solve each problem.

7) What is 92% of 8?

8) 51% of 24.1 is what?

9) What is 8% of 63?

10) What is 65% of 22?

11) 37 is 23% of what?

12) 79% of what is 53?

Find each percent change. Round to the nearest tenth of a percent. State if it is an increase or decrease.

13) From 10 to 8

14) From 14 to 12

15) From 17 to 8

16) From 20 to 12

17) From 15 to 4

18) From 7 to 13.1

Find the selling price of each item.

19) Original price of a puppy: \$200.00
Discount: 30%

20) Original price of a goldfish: \$1.00
Discount: 20%

21) Original price of a wagon: \$150.00
Discount: 40%

22) Original price of a purse: \$9.99
Discount: 30%

23) Original price of pants: \$4.99
Discount: 10%

24) Original price of a computer: \$3,100.00
Discount: 20%

Use simple interest to find the ending balance.

25) \$400 at 8% for 2 years

26) \$75 at 3% for 4 years

27) \$30,000 at 10% for 2 years

28) \$1,340 at 8% for 2 years

29) \$890 at 2% for 7 years

30) \$27,000 at 8% for 5 years

Answers to Simple and compound interest

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|--------------------|--------------------|--------------------|------------------|
| 1) 96.1% | 2) 0.4% | 3) 72.1% | 4) 93% |
| 5) 29% | 6) 62% | 7) 7.4 | 8) 12.3 |
| 9) 5 | 10) 14.3 | 11) 160.9 | 12) 67.1 |
| 13) 20% decrease | 14) 14.3% decrease | 15) 52.9% decrease | 16) 40% decrease |
| 17) 73.3% decrease | 18) 87.1% increase | 19) \$140.00 | 20) \$0.80 |
| 21) \$90.00 | 22) \$6.99 | 23) \$4.49 | 24) \$2,480.00 |
| 25) \$464.00 | 26) \$84.00 | 27) \$36,000.00 | 28) \$1,554.40 |
| 29) \$1,014.60 | 30) \$37,800.00 | | |