

**Pre-Algebra  
Percent Unit Test Review**

Complete each table.

1.

Decimal	Fraction	Percent
0.3		
	$\frac{4}{9}$	
		5%

2.

Decimal	Fraction	Percent
	$1\frac{2}{3}$	
0.02		
		42%

3.

Decimal	Fraction	Percent
		132%
	$\frac{1}{5}$	
1.4		

4.

Decimal	Fraction	Percent
0.273		
		10.8%
	$\frac{3}{4}$	

Calculate each value. **WRITE DOWN WHAT YOU PLUG INTO YOUR CALCULATOR!**

5. 6% of 190

7. 123% of 77

9. 12.5% of 30

6. 15% of 38

8. 60% of 105

10. 6.2% of 44

**Find the final cost of each item. WRITE DOWN WHAT YOU PLUG INTO YOUR CALCULATOR!**

11. John bought a new pair of boots for \$89.90. If tax is 6%, how much money will he need?
  
  
  
  
  
  
  
  
  
  
12. Kendall wants to buy a new pair of jeans that are on sale for 30% off. If the price tag says \$42.99, how much money will she need for the jeans?
  
  
  
  
  
  
  
  
  
  
13. Logan has a framed baseball card that has appreciated 14% since he got it in 10 years ago. If it was worth \$54 when he got it, how much is it worth now?
  
  
  
  
  
  
  
  
  
  
14. Scott bought 2 shirts for \$9.50 each and a hoodie for \$39.90. If tax is 5%, how much money will he need?
  
  
  
  
  
  
  
  
  
  
15. Betty bought a pair of boots that were originally priced at \$120.00 and were on sale for 25% off. If tax is 7%, how much will the boots cost Betty?
  
  
  
  
  
  
  
  
  
  
16. Ron wants to buy 3 DVDs that are \$9.95 each and a new video game that is \$58.95. If all electronics are 15% off and tax is 5%, how much money will Ron need?

**Determine the percent change. Also, state whether it is a percent increase or percent decrease.**

17. New: 54 chickens  
Original: 79 chickens

19. Original: \$4.95  
New: \$7.30

18. Original: \$12.99  
New: \$9.25

20. New: 12 marbles  
Original: 5 marbles

**Find the probability of each event occurring. Write the probability as a fraction and percent.**

**Regular Playing Cards**

21. P(jack)

22. P(red card)

23. P (face card)

24. P(black 4)

25. P(card less than 4)

26. P(8 of Hearts)

**Fair Die**

27. P(3)

28. P(even)

29. P(greater than 4)

**In Ken's bag of marbles, he has 5 red, 10 multi-colored, 4 blue, 8 green, and 3 yellow marbles.**

30. P(red)

31. P(blue or green)

32. P(not multi-colored)