

Unit 2 – Practice Test

Name: Key

Date: _____

Directions: Express these prices in dollars and cents. Be sure to use the correct symbol.

	Cents	Dollars
1.	25¢	\$.25
2.	6.3¢	\$.063
3.	18.9¢	\$.189
4.	.03¢	\$.0003

	Cents	Dollars
5.	1200¢	\$12
6.	92¢	\$.92
7.	5.7¢	\$.057
8.	593¢	5 ⁹³

Directions: From the Hannaford weekly flyer, find the price for the total cost of each group of items.

9. 8 pounds of Grade A frozen turkey, 2.5 pounds of sweet onions, 8 bags of Sun Chips multigrain snacks

$$\begin{aligned}
 & (8 * \$0.39) + (2.5 * \$0.39) + (8 * \$4) \\
 & 3.12 + 0.975 + 32 = 36.095 \\
 & = \boxed{\$36.10}
 \end{aligned}$$

10. 3 pounds of Tilapia Fillets, 1.75 pounds of Boneless Pork Loin Filet, 1 Jones Uncured Antibiotic Free Ham Steak.

$$\begin{aligned}
 & (3 * \$5.99) + (1.75 * \$4.49) + (1 * \$3.49) \\
 & = 17.97 + 7.8575 + 3.49 \\
 & = 29.3175 \rightarrow \boxed{\$29.32}
 \end{aligned}$$

11. 4 packages of Cabot Bar Cheese, 3 pounds of Boneless Chuck Roast, 1 package of Raspberries, 4 pounds of 90% Lean Ground Beef.

$$\begin{aligned}
 & (4 * \$4) + (3 * \$2.49) + (1 * \$1.77) + (4 * \$3.99) \\
 & 16 + 7.47 + 1.77 + 15.96 = \boxed{\$33.20}
 \end{aligned}$$

Directions: Find the cost per item (or pound). Round to the nearest cent.

13. 7 cans of corn for \$3.28

$$\frac{3.28}{7} = \boxed{\$0.47}$$

14. 4 packages of sliced salami for \$5.27

$$\frac{5.27}{4} = \boxed{\$1.32}$$

15. 10 ears of corn for \$2.76

$$\frac{2.76}{10} = \boxed{\$0.28}$$

16. 6 lemons for \$3.65

$$\frac{3.65}{6} = \boxed{\$0.61}$$

17. 5 pounds of onions for \$5.80

$$\frac{5.80}{5} = \boxed{\$1.16}$$

18. 8 bags of Doritos® for \$14.50

$$\frac{14.50}{8} = \boxed{\$1.81}$$

Directions: Find the unit price of each item and determine the best buy.

19. Snack bags

Item #1	Unit Price	Item #2	Unit Price	Best Buy
Box A contains 8 snack bags and costs \$6.12	$\frac{6.12}{8} = .765$	Box B contains 12 tea bags and costs \$9.98	$\frac{9.98}{12} = .832$	A

20. Fruit Snacks

Item #1	Unit Price	Item #2	Unit Price	Best Buy
Package A is 16oz and costs \$8.34	$\frac{8.34}{16} = .52125$	Package B is 18.25 and costs \$7.80	$\frac{7.80}{18.25} = .427$	B

21. Cookies

Item #1	Unit Price	Item #2	Unit Price	Best Buy
Box A is 12 ounces and costs \$1.92	$\frac{1.92}{12} = .16$	Box B is 18 ounces and costs \$3.42	$\frac{3.42}{18} = .19$	A

22. Apples

Item #1	Unit Price	Item #2	Unit Price	Best Buy
Bag A contains 10 apples and costs \$5.49	$\frac{5.49}{10} = .549$	Bag B contains 6 apples and costs \$2.94	$\frac{2.94}{6} = .49$	B

Directions: Write each as a percent.

23. 1.5

150%

24. 9.83

983%

25. 0.008

.8%

Directions: Write each as a decimal.

26. 8%

.08

27. 496%

4.96

28. .05%

.0005

Directions: Write each as a percent.

29. $\frac{1}{7}$

14.3
14.3%

30. $4\frac{3}{8}$

4.375
437.5%

31. $18\frac{5}{12}$

18.417
1841.7%

Directions: Solve each problem.

32. 70 is 2% of what?

$$\frac{70}{.02} = \frac{.02}{.02} * X$$

$$3500 = X$$

33. 400% of 151 is what?

$$4 * 151 = X$$

$$604 = X$$

34. What is 190% of 106?

$$X = 1.9 * 106$$

$$X = 201.4$$

35. What percent of 83.9 is 83?

$$X * \frac{83.9}{83.9} = \frac{83}{83.9}$$

$$X = .989$$

$$X = 98.9\%$$

36. 94% of 69 is what?

$$.94 * 69 = X$$

$$64.86 = X$$

37. 22.5 is what percent of 113?

$$\frac{22.5}{113} = X * \frac{113}{113}$$

$$.199 = X$$

$$19.9\% = X$$

38. 83 is 14% of what?

$$\frac{83}{.14} = \frac{.14}{.14} * X$$

$$592.86 = X$$

39. What percent of 139 is 100.1?

$$X * \frac{139}{139} = \frac{100.1}{139}$$

$$X = .7201$$

$$X = 72.01\%$$

Directions: Find the total restaurant bill you must pay given the original bill and the tip percentage.

40. Bill: \$83.40

Tip: 22%

$$.22 * 83.40 = 18.348$$

$$18.348 + 83.40 = \$101.748$$

$$\$101.75$$

41. Bill: \$53.73

Tip: 21%

$$.21 * 53.73 = 11.2833$$

$$53.73 + 11.2833 = 65.0133$$

$$\$65.01$$

Directions: Find the selling price of each item.

42. Original Price: \$115.00
Markup: 61%

$$.61 * 115.00 = 70.15$$

$$115 + 70.15 = \boxed{\$185.15}$$

44. Original Price: \$160.00
Discount: 52%

$$160 * .52 = 83.2$$

$$160 - 83.2 = 76.8$$

$$\boxed{\$76.80}$$

46. Original Price: \$19.99
Markup: 20%
Discount: 55%

$$19.99 * .20 = 3.998$$

$$19.99 + 3.998 = 23.988$$

$$23.988 * .55 = 13.1934$$

$$23.988 - 13.1934 = \$10.7946$$

$$\boxed{\$10.79}$$

43. Original price: \$25.95
Discount: 15%

$$25.95 * .15 = 3.8925$$

$$25.95 - 3.8925 = 22.0575$$

$$\boxed{\$22.06}$$

45. Original price: \$36.75
Markup: 84%

$$36.75 * .84 = 30.87$$

$$36.75 + 30.87 = 67.62$$

$$\boxed{\$67.62}$$

47. Original price: \$434.95
Markup: 54%
Discount: 36%

$$434.95 * .54 = 234.873$$

$$434.95 + 234.873 = 669.823$$

$$669.823 * .36 = 241.13628$$

$$669.823 - 241.13628 = 428.68672$$

$$\boxed{\$428.69}$$