Nan	ne:	Class: _			
<b>1.</b> A store is having a 25%-off sale on sweaters. Marion wants to purchase a sweater that has an original cost of \$49.99. Which expression represents the final cost of the sweater if the store has a sales tax of 6.75%?					
Α	49.99 • 0.25 • 6.75	С	49.99 • 0.25 • 1.0675		
В	49.99 • 0.75 • 6.75	D	49.99 • 0.75 • 1.0675		
<ul> <li>2. A family goes to a restaurant for dinner.</li> <li>The bill for their meal is \$75 before sales tax.</li> <li>Sales tax is 7%.</li> <li>They leave a 15% tip.</li> </ul>					
Which expression will calculate the total bill for the family's meal?					
Α	75(0.07)(0.15)	С	75(1.07)(0.85)		
В	75(0.93)(1.15)	D	75(1.07)(1.15)		
<b>3.</b> Ingrid is buying a pair of pants with an original cost of <i>c</i> dollars. The pants are on sale for 15% off their original cost. Which two calculations could Ingrid perform in order to find the amount she needs to spend?					
Α	c + 0.15c and 1.15c	С	c - 0.15 and $0.85c$		
В	c + 0.15 and 1.15c	D	c - 0.15c and $0.85c$		
<b>4.</b> At a store, a dress that originally costs \$40 was marked down 25%. Lindsey has a coupon for an additional 20% off the dress. Sales tax is 6%. Which expression will calculate the total amount Lindsey will pay for the dress?					
Α	(40)(0.60)(1.06)	С	(40)(0.25)(0.2)(1.06)		
В	(40)(0.55)(1.06)	D	(40)(0.25)(0.2)(0.06)		

**5.** It costs Maria \$6.00 to travel the toll roads from her house to her mother's house. The cost of the toll roads will be increasing by 15%. Which expression can be used to find the new cost to travel the toll roads?

**A** 0.15(6) **B** 0.85(6) **C** 1.15(6) **D** 15(6)

6. Jenna buys a	book for \$12 and a DVD for \$15.	DVD's are on sale for 20% off.	
Sales tax is 7%.	Which expression will calculate the	he total cost of Jenna's purchase	s?

(12 + 15)(0.80)(1.07)C

**B** 
$$12 + 15(0.80)(1.07)$$

 $(12 + 15 \cdot 0.80)(1.07)$ D

7. Ellie works at a store where she gets a 5% discount on anything she buys. She wants to buy a chair that has a regular price of \$225. Which expression can Ellie use to calculate the price of the chair with her discount?

В 225(0.95) 225(1.05)

D 225(5)

**8.** Regina charges *c* dollars per hour to babysit. If she increases her rate by 15%, which expression represents her new rate, in dollars per hour?

**A** 
$$c + 0.15$$

В c + 15 C c + 0.15c D c + 15c

**9.** A ticket to the school dance increases by 20% from the original price, *p*. James and Matt want to determine the new price. James uses the expression 1.20p. Matt uses the expression p+0.20p. Which statement best describes these expressions?

Α James uses the correct expression, but Matt does not.

Matt uses the correct expression, but James does not. В

C Both Matt and James use correct expressions.

Neither Matt nor James uses correct expressions. D

10. Raj and Eric went to lunch. Raj's total lunch bill was \$9.53. This was 14% higher than Eric's lunch bill. Which expression represents the amount of Eric's lunch bill?

 $9.53 \div 0.86$ В

C  $9.53 \cdot 0.86$ 

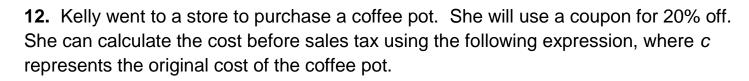
 $9.53 \div 1.14$ D

**11.** The cost of a Midnight Madness movie ticket, c, is reduced by  $\frac{2}{5}$  of the original cost, to a cost of  $\frac{3}{5}c$ . Which expression is equivalent to the new cost?

**A** 
$$1 - \frac{3}{5}C$$

 $1 - \frac{3}{5}c$  **B**  $c - \frac{3}{5}c$  **C**  $1 - \frac{2}{5}c$ 

**D**  $c - \frac{2}{5}c$ 



$$c - 0.2c$$

**A** 0.8*c* 

**B** 1.2*c* 

**C** 1.8*c* 

**D** 80*c* 

**13.** The original price, p, of a single scoop of ice cream has increased by 7%. The new price can be represented as 1.07p. Which expression is also equivalent to the new price?

**A** 1 + 7p

**B** p + 0.7p

**C** 1 + 0.07p

**D** p + 0.07p

**14.** Mr. Hurst's house increased in value to \$185,400 one year after he bought it. The annual rate of increase was 3%. Which expression would calculate the initial value of the house?

**A**  $$185,400 \times 0.97$ 

**C**  $$185,400 \times 1.03$ 

**B** \$185,400 ÷ 0.97

**D** \$185,400 ÷ 1.03

**15.** A store is having a 20%-off sale on all pairs of shoes. Kurt wants to buy a pair of shoes that have a regular price of *x* dollars. The sales tax is 7%. Which expression represents the final price of the shoes?

**A** x(1.27)

**C** x(1.2)(0.93)

**B** x(0.87)

**D** x(0.8)(1.07)

**16.** Allen is buying a video game that originally costs \$49. He has a 10%-off coupon and will have to pay a 6% sales tax. Which expression will calculate the total amount Allen will pay for the video game?

**A** (49)(0.9)(1.06)

**C** 49(0.1)(1.06)

**B** (49)(0.9)(0.06)

**D** 49(0.1)(0.06)