

Name_____



Date_____

Discount and Sales Tax Worksheet

The following items at Sam's Sports Palace are on sale. Find the amount of discount, sale price, sales tax, and total cost for each item. Use a sales tax rate of 5%.

Tennis Racquet: \$100 at 30% off

Can of Tennis Balls: \$4.00 at 25% off

Basketball: \$10.95 at 20% off

Baseball Glove: \$44.50 at 10% off

Sneakers: \$80 at 60% off

Item	Tennis Racquet	Tennis Balls	Basketball	Baseball Glove	Sneakers
Amount of Discount					
Sale Price					
Sales Tax					
Total Cost					

Mental Math: Can you calculate the amount of discount of a \$100 item that is 10% off in your head and not perform any calculations on paper? In a short paragraph explain how you would calculate this number using "mental math".

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Can you calculate the sale price, sales tax, and total cost for this example using “mental math”? Explain how to do this and write your final answers below.

Sale Price =

Sales Tax =

Total Cost =

Answer Key

Item	Tennis Racquet	Tennis Balls	Basketball	Baseball Glove	Sneakers
Amount of Discount	\$30	\$1.00	\$2.19	\$4.45	\$48
Sale Price	\$70	\$3.00	\$8.76	\$40.05	\$32
Sales Tax	\$1.50	\$0.15	\$0.44	\$2.01	\$1.60
Total Cost	\$71.50	\$3.15	\$9.20	\$42.06	\$33.60

Mental Math: Can you calculate the amount of discount of a \$100 item that is 10% off in your head and not perform any calculations on paper? In a short paragraph explain how you would calculate this number using “mental math”.

We know that 10% is 0.10. When you multiply a number by 0.1, you move the decimal point one place to the left. Therefore, mentally we know the amount of discount is 10% of \$100, which equals \$10. Explanations may vary

Can you calculate the sale price, sales tax, and total cost for this example using “mental math”? Explain how to do this and write your final answers below.

We know the amount of discount is \$10. Therefore, mentally we know the following:

Sale price = \$100 - \$10 = \$90

We know the Sales Tax is 5%. We can first take 10% of 90 because all we have to do is move the decimal point one place to the left. Therefore, 10% of 90 equals \$9. Then we divide this number in half to represent 5%. Therefore, $9/2 = \$4.50$. The Sales Tax is \$4.50.

Total Cost = \$90 + \$4.50 = \$94.50 Explanations may vary.

Sale Price = **\$90**

Sales Tax = **\$4.50**

Total Cost = **\$94.50**