

A PAIR OF JEANS COST \$42.00. IF THE SALES TAX IS 5%, HOW MUCH WILL SHE PAY ALTOGETHER FOR THE JEANS?

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UNDERSTANDING HOW TO CALCULATE THE TOTAL COST OF AN ITEM, INCLUDING SALES TAX, IS AN ESSENTIAL FINANCIAL SKILL. WHETHER YOU'RE SHOPPING FOR CLOTHES, ELECTRONICS, OR GROCERIES, KNOWING HOW TO ACCURATELY DETERMINE THE FINAL AMOUNT PAYABLE HELPS IN BUDGETING AND MAKING INFORMED PURCHASING DECISIONS. IN THIS ARTICLE, WE WILL EXPLORE THE PROCESS STEP-BY-STEP TO FIND OUT HOW MUCH SHE WILL PAY ALTOGETHER FOR THE JEANS PRICED AT \$42.00 WITH A 5% SALES TAX.

BREAKING DOWN THE PROBLEM

BEFORE DIVING INTO THE CALCULATION, IT'S IMPORTANT TO IDENTIFY THE KEY COMPONENTS INVOLVED:

- BASE PRICE OF THE JEANS: \$42.00
- SALES TAX RATE: 5%

THE GOAL IS TO COMPUTE THE TOTAL AMOUNT PAID, WHICH INCLUDES BOTH THE ORIGINAL PRICE AND THE SALES TAX.

UNDERSTANDING SALES TAX

SALES TAX IS A PERCENTAGE ADDED TO THE PURCHASE PRICE OF GOODS AND SERVICES, COLLECTED BY THE RETAILER AND PAID TO THE GOVERNMENT. THE TAX RATE VARIES DEPENDING ON THE LOCATION AND TYPE OF ITEM. IN THIS CASE, THE SALES TAX RATE IS 5%.

WHY IS SALES TAX IMPORTANT?

- IT AFFECTS THE TOTAL COST OF ITEMS.
- KNOWING THE SALES TAX RATE HELPS CONSUMERS PLAN THEIR BUDGETS.
- RETAILERS MUST ACCURATELY CALCULATE AND COLLECT SALES TAX.

CALCULATING THE SALES TAX

TO FIND THE AMOUNT OF SALES TAX, MULTIPLY THE BASE PRICE BY THE SALES TAX RATE:

FORMULA:

$$\text{Sales Tax} = \text{Base Price} \times \frac{\text{Sales Tax Rate}}{100}$$

APPLYING THIS FORMULA:

$$\text{Sales Tax} = \$42.00 \times \frac{5}{100}$$

$$\text{Sales Tax} = \$42.00 \times 0.05$$

$$\text{Sales Tax} = \$2.10$$

Therefore, the sales tax on the jeans is \$2.10.

Calculating the Total Cost

Once the sales tax is determined, add it to the original price to find the total amount payable:

Total Cost Formula:

$$\text{Total Cost} = \text{Base Price} + \text{Sales Tax}$$

Plugging in the numbers:

$$\text{Total Cost} = \$42.00 + \$2.10 = \$44.10$$

She will pay a total of \$44.10 for the jeans, including sales tax.

Step-by-Step Summary of the Calculation

1. Identify the base price: \$42.00
2. Convert the sales tax rate to decimal form: 5% = 0.05
3. Calculate the sales tax: $\$42.00 \times 0.05 = \2.10
4. Add the sales tax to the base price: $\$42.00 + \$2.10 = \$44.10$

This straightforward process ensures accurate calculation of total costs when sales tax applies.

Additional Considerations in Sales Tax Calculations

While the calculation above is simple, there are some additional factors to consider in real-world scenarios:

1. Local and State Variations

- Sales tax rates differ across cities, counties, and states.
- Some regions have additional local taxes, which can increase the total percentage.
- Always check the current applicable rate for your location.

2. Tax-Exempt Items

- Certain items may be exempt from sales tax, such as clothing in some states.

- VERIFY WHETHER THE ITEM QUALIFIES FOR EXEMPTION BEFORE CALCULATING.

3. ONLINE SHOPPING AND SHIPPING FEES

- ONLINE PURCHASES MAY INCLUDE SHIPPING FEES, WHICH COULD BE TAXED.
- DIFFERENT JURISDICTIONS HAVE VARYING RULES FOR TAXING SHIPPING COSTS.

4. PRICE INCLUSION

- SOME STORES DISPLAY PRICES INCLUSIVE OF TAX.
- CLARIFY WHETHER THE LISTED PRICE INCLUDES TAX TO AVOID MISCALCULATIONS.

PRACTICAL APPLICATIONS AND TIPS

UNDERSTANDING SALES TAX CALCULATIONS IS USEFUL IN VARIOUS EVERYDAY SITUATIONS:

- BUDGET PLANNING BEFORE SHOPPING TO ENSURE FUNDS COVER TOTAL COSTS.
- COMPARING PRICES ACROSS DIFFERENT STORES OR REGIONS.
- ESTIMATING EXPENSES FOR LARGE PURCHASES OR EVENTS.

TIPS FOR CONSUMERS:

- ALWAYS VERIFY THE CURRENT SALES TAX RATE FOR YOUR AREA.
- USE CALCULATORS OR SMARTPHONE APPS FOR QUICK CALCULATIONS.
- KEEP RECEIPTS FOR RECORD-KEEPING AND TAX PURPOSES.

CONCLUSION

CALCULATING THE TOTAL AMOUNT PAYABLE FOR AN ITEM LIKE A PAIR OF JEANS COSTING \$42.00 WITH A 5% SALES TAX IS STRAIGHTFORWARD ONCE YOU UNDERSTAND THE PROCESS. BY MULTIPLYING THE BASE PRICE BY THE TAX RATE, YOU FIND THE SALES TAX AMOUNT, AND THEN ADD THAT TO THE ORIGINAL PRICE TO DETERMINE THE TOTAL COST.

IN THIS SCENARIO:

- BASE PRICE: \$42.00
- SALES TAX (5%): \$2.10
- TOTAL PAYMENT: \$44.10

BEING ADEPT AT THESE CALCULATIONS HELPS CONSUMERS MAKE BETTER PURCHASING DECISIONS, PLAN THEIR BUDGETS, AND AVOID SURPRISES AT CHECKOUT. ALWAYS STAY INFORMED ABOUT LOCAL TAX RATES AND RULES TO ENSURE ACCURACY IN YOUR FINANCIAL PLANNING.

META DESCRIPTION: LEARN HOW TO CALCULATE THE TOTAL COST OF JEANS PRICED AT \$42.00 WITH A 5% SALES TAX. DISCOVER STEP-BY-STEP INSTRUCTIONS AND TIPS FOR ACCURATE SHOPPING EXPENSES.

FREQUENTLY ASKED QUESTIONS

WHAT IS THE TOTAL COST OF THE JEANS INCLUDING SALES TAX?

THE TOTAL COST IS \$44.10.

HOW DO YOU CALCULATE THE SALES TAX ON THE JEANS?

MULTIPLY THE COST OF THE JEANS (\$42.00) BY THE SALES TAX RATE (5%) TO FIND THE TAX AMOUNT.

WHAT IS THE AMOUNT OF SALES TAX ADDED TO THE ORIGINAL PRICE?

THE SALES TAX IS \$2.10 (5% OF \$42.00).

IF THE SALES TAX RATE CHANGES TO 8%, HOW MUCH WOULD THE TOTAL BE?

THE SALES TAX WOULD BE \$3.36, MAKING THE TOTAL \$45.36.

CAN YOU SHOW THE STEP-BY-STEP CALCULATION FOR THE TOTAL PRICE?

YES. FIRST, CALCULATE 5% OF \$42.00: $\$42.00 \times 0.05 = \2.10 . THEN, ADD THIS TO THE ORIGINAL PRICE: $\$42.00 + \$2.10 = \$44.10$.

WHAT IS THE FORMULA TO FIND THE TOTAL PRICE INCLUDING SALES TAX?

TOTAL PRICE = ORIGINAL PRICE + (ORIGINAL PRICE $\times$ SALES TAX RATE).

IF SHE PAID \$44.10, WAS THE SALES TAX CORRECTLY CALCULATED?

YES, BECAUSE 5% OF \$42.00 IS \$2.10, AND $\$42.00 + \$2.10 = \$44.10$.

WHY IS IT IMPORTANT TO INCLUDE SALES TAX WHEN CALCULATING THE TOTAL COST?

BECAUSE SALES TAX IS AN ADDITIONAL CHARGE REQUIRED BY LAW, AND IT AFFECTS THE TOTAL AMOUNT PAID AT CHECKOUT.

ADDITIONAL RESOURCES

A PAIR OF JEANS COST \$42.00. IF THE SALES TAX IS 5%, HOW MUCH WILL SHE PAY ALTOGETHER FOR THE JEANS?

WHEN IT COMES TO SHOPPING FOR CLOTHING, PARTICULARLY JEANS, UNDERSTANDING THE TOTAL COST INVOLVED EXTENDS BEYOND JUST THE STICKER PRICE. MANY SHOPPERS OFTEN OVERLOOK THE ADDITIONAL CHARGES THAT COME WITH SALES TAXES, WHICH CAN SIGNIFICANTLY IMPACT THE FINAL AMOUNT PAID AT CHECKOUT. IN THIS ARTICLE, WE WILL ANALYZE THE TOTAL COST OF PURCHASING A PAIR OF JEANS PRICED AT \$42.00 WHEN A SALES TAX OF 5% IS APPLIED. THROUGH DETAILED EXPLANATIONS, STEP-BY-STEP CALCULATIONS, AND CONTEXTUAL INSIGHTS, WE AIM TO PROVIDE A COMPREHENSIVE UNDERSTANDING OF HOW SALES TAX INFLUENCES THE OVERALL EXPENSE AND THE IMPORTANCE OF BUDGETING ACCORDINGLY.

UNDERSTANDING THE BASIC PRICE OF THE JEANS

BEFORE DELVING INTO THE SPECIFICS OF TAXES AND FINAL COSTS, IT'S CRUCIAL TO UNDERSTAND THE INITIAL PRICE OF THE ITEM IN QUESTION. IN THIS CASE, THE JEANS ARE PRICED AT \$42.00. THIS FIGURE REPRESENTS THE BASE OR PRE-TAX COST THAT THE RETAILER HAS SET FOR THE PRODUCT. RETAILERS DETERMINE SUCH PRICING BASED ON FACTORS LIKE MANUFACTURING COSTS, BRAND VALUE, MARKET DEMAND, AND COMPETITIVE PRICING STRATEGIES.

KEY POINTS TO CONSIDER:

- THE \$42.00 PRICE IS THE INITIAL OR STICKER PRICE.
- IT DOES NOT INCLUDE ANY ADDITIONAL CHARGES, SUCH AS SALES TAX OR FEES.
- IT SERVES AS THE STARTING POINT FOR CALCULATING THE TOTAL AMOUNT PAYABLE.

UNDERSTANDING THIS BASE PRICE ALLOWS CONSUMERS TO ANTICIPATE THE ADDITIONAL COSTS THAT WILL BE ADDED DURING THE PURCHASING PROCESS, ESPECIALLY IN REGIONS WITH APPLICABLE SALES TAXES.

WHAT IS SALES TAX AND HOW DOES IT WORK?

SALES TAX IS A PERCENTAGE ADDED TO THE PURCHASE PRICE OF GOODS AND SERVICES, COLLECTED BY THE RETAILER AT THE POINT OF SALE AND REMITTED TO THE GOVERNMENT. IT SERVES AS A PRIMARY REVENUE SOURCE FOR LOCAL, STATE, AND SOMETIMES FEDERAL AGENCIES, FUNDING PUBLIC SERVICES LIKE EDUCATION, INFRASTRUCTURE, AND HEALTH CARE.

HOW SALES TAX IS CALCULATED:

- THE RATE IS EXPRESSED AS A PERCENTAGE (E.G., 5%).
- IT IS APPLIED TO THE COST OF THE ITEM(S) PURCHASED.
- THE TOTAL SALES TAX IS ADDED TO THE PURCHASE PRICE TO DETERMINE THE FINAL AMOUNT.

REGIONAL VARIATIONS:

SALES TAX RATES VARY CONSIDERABLY ACROSS DIFFERENT JURISDICTIONS. SOME REGIONS MIGHT HAVE NO SALES TAX, WHILE OTHERS IMPOSE RATES EXCEEDING 10%. THEREFORE, KNOWING THE SPECIFIC RATE APPLICABLE IN THE PURCHASE LOCATION IS ESSENTIAL FOR ACCURATE CALCULATIONS.

IN OUR SCENARIO, THE SALES TAX RATE IS 5%, A COMMON RATE IN SEVERAL STATES AND LOCALITIES, MAKING IT A REPRESENTATIVE EXAMPLE FOR EDUCATIONAL PURPOSES.

CALCULATING THE SALES TAX ON THE JEANS

TO DETERMINE THE AMOUNT OF SALES TAX ON THE JEANS, WE USE A STRAIGHTFORWARD MATHEMATICAL APPROACH.

STEP-BY-STEP CALCULATION:

1. IDENTIFY THE BASE PRICE: \$42.00
2. DETERMINE THE SALES TAX RATE: 5% (WHICH CAN ALSO BE WRITTEN AS 0.05 IN DECIMAL FORM)
3. CALCULATE THE SALES TAX AMOUNT:

$$\text{Sales Tax} = \text{Base Price} \times \text{Tax Rate}$$

$$\text{Sales Tax} = 42.00 \times 0.05 = 2.10$$

So, the sales tax added to the jeans costs \$2.10.

NOTE: THE CALCULATION INVOLVES CONVERTING THE PERCENTAGE TO A DECIMAL BY DIVIDING BY 100 (I.E., 5% = 0.05).

DETERMINING THE TOTAL COST: FINAL PRICE INCLUDING TAX

ONCE THE SALES TAX AMOUNT IS CALCULATED, THE NEXT STEP IS TO ADD IT TO THE ORIGINAL PRICE TO FIND THE TOTAL AMOUNT PAYABLE.

CALCULATION:

$$\text{Total Cost} = \text{Base Price} + \text{Sales Tax}$$

$$\text{Total Cost} = 42.00 + 2.10 = 44.10$$

THUS, THE SHOPPER WILL PAY \$44.10 IN TOTAL FOR THE JEANS AFTER INCLUDING THE 5% SALES TAX.

IMPLICATIONS:

- THE ADDITIONAL \$2.10 REPRESENTS APPROXIMATELY 5% OF THE ORIGINAL PRICE.
- THIS AMOUNT, WHILE SEEMINGLY SMALL, CAN ADD UP SIGNIFICANTLY WITH LARGER PURCHASES OR HIGHER TAX RATES.
- AWARENESS OF SUCH CALCULATIONS HELPS CONSUMERS BUDGET MORE ACCURATELY.

ADDITIONAL CONSIDERATIONS AND PRACTICAL INSIGHTS

1. IMPACT ON BUDGETING AND SPENDING:

UNDERSTANDING HOW SALES TAX AFFECTS TOTAL PURCHASE PRICE IS VITAL FOR CONSUMERS AIMING TO MANAGE THEIR BUDGETS EFFECTIVELY. FOR INSTANCE, A SHOPPER PLANNING TO PURCHASE MULTIPLE ITEMS MUST ACCOUNT FOR THE CUMULATIVE TAX TO AVOID OVERSPENDING.

2. VARIABILITY OF SALES TAX RATES:

AS HIGHLIGHTED EARLIER, SALES TAX RATES ARE NOT UNIFORM. CONSUMERS SHOULD ALWAYS VERIFY THE APPLICABLE RATE IN THEIR JURISDICTION TO AVOID SURPRISES AT CHECKOUT. SOME REGIONS MAY ALSO HAVE ADDITIONAL LOCAL TAXES, FURTHER INCREASING THE TOTAL.

3. INCLUSIVE VS. EXCLUSIVE PRICING:

SOME RETAILERS LIST PRICES AS "TAX-INCLUSIVE," MEANING THE DISPLAYED PRICE ALREADY ACCOUNTS FOR SALES TAX. OTHERS DISPLAY PRICES AS "TAX-EXCLUSIVE," REQUIRING CONSUMERS TO CALCULATE AND ADD TAXES SEPARATELY, AS IN OUR EXAMPLE.

4. TAX EXEMPTIONS AND SPECIAL CASES:

CERTAIN ITEMS MAY BE EXEMPT FROM SALES TAX DEPENDING ON REGIONAL LAWS. FOR EXAMPLE, CLOTHING IN SOME STATES MIGHT BE TAX-FREE UP TO CERTAIN PRICE THRESHOLDS OR DURING PROMOTIONAL PERIODS. IT'S IMPORTANT FOR CONSUMERS TO BE AWARE OF SUCH EXEMPTIONS TO OPTIMIZE THEIR SAVINGS.

5. DIGITAL AND ONLINE PURCHASES:

WITH THE RISE OF E-COMMERCE, SALES TAX COLLECTION HAS BECOME MORE COMPLEX, OFTEN INVOLVING MULTIPLE JURISDICTIONS. CONSUMERS SHOULD BE AWARE THAT ONLINE PURCHASES MAY INCLUDE DIFFERENT TAX RATES OR BE TAX-FREE DEPENDING ON THE SELLER'S LOCATION AND APPLICABLE LAWS.

BROADER CONTEXT: THE ECONOMIC AND CONSUMER PERSPECTIVE

ECONOMIC SIGNIFICANCE OF SALES TAX:

SALES TAXES REPRESENT A SIGNIFICANT REVENUE STREAM FOR LOCAL AND STATE GOVERNMENTS. THEY FUND ESSENTIAL PUBLIC SERVICES, INFRASTRUCTURE PROJECTS, AND COMMUNITY PROGRAMS. HOWEVER, THEY CAN ALSO BE A POINT OF CONTENTION, ESPECIALLY IF PERCEIVED AS REGRESSIVE OR IF RATES INCREASE UNEXPECTEDLY.

CONSUMER PERSPECTIVE:

FOR SHOPPERS, UNDERSTANDING SALES TAX IMPLICATIONS IS PART OF RESPONSIBLE FINANCIAL PLANNING. IT INFLUENCES PURCHASING DECISIONS, ESPECIALLY WHEN CONSIDERING HIGHER-PRICED ITEMS OR BULK PURCHASES. BEING AWARE OF THE TOTAL COST BEFORE CHECKOUT EMPOWERS CONSUMERS TO COMPARE PRICES MORE EFFECTIVELY AND MAKE INFORMED CHOICES.

RETAILER RESPONSIBILITIES:

RETAILERS ARE RESPONSIBLE FOR CALCULATING, COLLECTING, AND REMITTING SALES TAXES ACCURATELY. THEY MUST STAY UPDATED ON REGIONAL TAX RATES AND LEGAL REQUIREMENTS TO ENSURE COMPLIANCE AND AVOID PENALTIES.

CONCLUSION: THE FINAL COST AND ITS SIGNIFICANCE

IN SUMMARY, THE SIMPLE QUESTION—"A PAIR OF JEANS COSTS \$42.00. IF THE SALES TAX IS 5%, HOW MUCH WILL SHE PAY ALTOGETHER?"—ENCAPSULATES MORE THAN JUST BASIC ARITHMETIC. IT UNDERSCORES THE IMPORTANCE OF UNDERSTANDING TAX IMPLICATIONS IN EVERYDAY TRANSACTIONS, THE VARIABILITY OF REGIONAL TAX RATES, AND THE NEED FOR CONSUMERS TO BE VIGILANT IN FINANCIAL PLANNING.

FINAL CALCULATION RECAP:

- BASE PRICE OF JEANS: \$42.00
- SALES TAX (5%): \$2.10
- TOTAL AMOUNT PAYABLE: \$44.10

BY GRASPING THESE CONCEPTS, CONSUMERS CAN APPROACH THEIR SHOPPING WITH GREATER AWARENESS, ENSURING THEY ARE PREPARED FOR THE TRUE COST OF THEIR PURCHASES. WHILE THE ADDITIONAL \$2.10 MAY SEEM MINOR IN THIS CONTEXT, THE

PRINCIPLE APPLIES BROADLY ACROSS VARIOUS PRODUCTS AND SERVICES, EMPHASIZING THE IMPORTANCE OF FINANCIAL LITERACY IN EVERYDAY LIFE.

IN ESSENCE, UNDERSTANDING HOW SALES TAX INFLUENCES TOTAL PURCHASE COSTS IS FUNDAMENTAL FOR CONSUMERS SEEKING TO MAKE INFORMED, BUDGET-CONSCIOUS DECISIONS. WHETHER BUYING JEANS, ELECTRONICS, OR GROCERIES, KNOWING THE FINAL AMOUNT PAYABLE ENSURES TRANSPARENCY, HELPS PREVENT SURPRISES, AND PROMOTES RESPONSIBLE SPENDING HABITS.

A Pair Of Jeans Cost 42 00 If The Sales Tax Is 5 How Much Will She Pay Altogether For The Jeans

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