

MARCO NEEDS TO BUY SOME CAT FOOD. AT THE NEAREST STORE, 3 BAGS OF FOOD COST 17.25\$. HOW MUCH WOULD MARCO

MARCO NEEDS TO BUY SOME CAT FOOD. AT THE NEAREST STORE, 3 BAGS OF FOOD COST 17.25\$. HOW MUCH WOULD MARCO SPEND IF HE WANTS TO PURCHASE A CERTAIN NUMBER OF BAGS? THIS QUESTION MAY SEEM STRAIGHTFORWARD AT FIRST GLANCE, BUT CALCULATING THE TOTAL COST REQUIRES UNDERSTANDING UNIT PRICES, RATIOS, AND POSSIBLY EXPLORING OPTIONS FOR SAVING MONEY. WHETHER MARCO IS STOCKING UP FOR HIS FELINE FRIEND OR JUST RUNNING LOW ON SUPPLIES, KNOWING HOW TO DETERMINE THE TOTAL EXPENSE BASED ON THE PRICE PER BAG IS ESSENTIAL. IN THIS ARTICLE, WE'LL EXPLORE HOW TO APPROACH THIS PROBLEM STEP-BY-STEP, DISCUSS RELATED CONCEPTS SUCH AS UNIT PRICING, AND OFFER TIPS FOR SHOPPING EFFICIENTLY.

UNDERSTANDING THE COST OF CAT FOOD

BEFORE DIVING INTO CALCULATIONS, IT'S IMPORTANT TO COMPREHEND THE BASIC INFORMATION PROVIDED:

- THE STORE SELLS 3 BAGS OF CAT FOOD FOR A TOTAL OF \$17.25.
- THE GOAL IS TO DETERMINE HOW MUCH MARCO WOULD PAY IF HE WANTS TO BUY A DIFFERENT NUMBER OF BAGS.

THIS SCENARIO INVOLVES UNDERSTANDING THE UNIT PRICE PER BAG AND THEN SCALING THAT UP OR DOWN BASED ON THE DESIRED QUANTITY.

CALCULATING THE PRICE PER BAG

THE FIRST STEP IS TO FIND OUT HOW MUCH EACH BAG COSTS INDIVIDUALLY. SINCE THE STORE OFFERS 3 BAGS FOR \$17.25, THE UNIT PRICE PER BAG CAN BE CALCULATED AS FOLLOWS:

- FORMULA:
 $\text{PRICE PER BAG} = \text{TOTAL PRICE FOR 3 BAGS} / \text{NUMBER OF BAGS}$

- CALCULATION:
 $\$17.25 \div 3 = \5.75

THEREFORE, EACH BAG COSTS \$5.75.

KNOWING THIS UNIT PRICE ALLOWS MARCO TO EASILY CALCULATE THE TOTAL COST FOR ANY NUMBER OF BAGS.

CALCULATING TOTAL COST FOR DIFFERENT QUANTITIES

ONCE THE UNIT PRICE IS KNOWN, THE NEXT STEP IS TO DETERMINE HOW MUCH MARCO WOULD SPEND IF HE WANTS TO BUY A DIFFERENT NUMBER OF BAGS.

Case 1: Buying the Same Number of Bags (3 Bags)

THIS IS STRAIGHTFORWARD:

- COST:
 $3 \text{ BAGS} \times \$5.75 = \17.25

THIS CONFIRMS THE INITIAL DATA, ENSURING OUR CALCULATIONS ARE CORRECT.

Case 2: Buying a Different Number of Bags

SUPPOSE MARCO WANTS TO BUY:

- 5 BAGS
- 10 BAGS
- 7 BAGS
- 12 BAGS

THE TOTAL COST CAN BE CALCULATED USING:

- FORMULA:
 $\text{TOTAL COST} = \text{NUMBER OF BAGS} \times \text{PRICE PER BAG}$

LET'S SEE SOME EXAMPLES:

NUMBER OF BAGS	TOTAL COST CALCULATION	TOTAL COST
5	$5 \times \$5.75$	\$28.75
10	$10 \times \$5.75$	\$57.50
7	$7 \times \$5.75$	\$40.25
12	$12 \times \$5.75$	\$69.00

THIS SIMPLE MULTIPLICATION MAKES IT EASY FOR MARCO TO ESTIMATE HIS EXPENSES REGARDLESS OF THE QUANTITY.

Shopping Tips for Saving Money on Cat Food

WHILE CALCULATING COSTS IS ESSENTIAL, SHOPPING SMARTLY CAN SAVE MARCO MONEY IN THE LONG RUN. HERE ARE SOME TIPS:

1. Look for Bulk Discounts

- BUYING LARGER QUANTITIES OFTEN REDUCES THE COST PER BAG.
- STORES MAY OFFER DISCOUNTS WHEN PURCHASING IN BULK, SUCH AS 10 BAGS OR MORE.

2. Compare Prices Across Stores

- CHECK DIFFERENT RETAILERS OR ONLINE STORES FOR BETTER DEALS.
- SOMETIMES, ONLINE OPTIONS OR WAREHOUSE CLUBS PROVIDE LOWER PRICES PER BAG.

3. USE COUPONS AND PROMOTIONS

- LOOK FOR COUPONS IN NEWSPAPERS, STORE FLYERS, OR ONLINE.
- PROMOTIONS LIKE BUY-ONE-GET-ONE-FREE CAN SIGNIFICANTLY REDUCE COSTS.

4. CONSIDER SUBSCRIPTION SERVICES

- SOME BRANDS OFFER SUBSCRIPTION PLANS WITH DISCOUNTS.
- REGULAR DELIVERIES ENSURE YOU NEVER RUN OUT WHILE SAVING MONEY.

5. EVALUATE THE QUALITY AND SIZE

- SOMETIMES, LARGER BAGS ARE MORE ECONOMICAL BUT CHECK IF THE QUALITY MATCHES YOUR PET'S NEEDS.
- CALCULATE THE COST PER OUNCE OR KILOGRAM TO COMPARE DIFFERENT SIZES AND BRANDS EFFECTIVELY.

ADDITIONAL CONSIDERATIONS FOR BUYING CAT FOOD

WHILE PRICE IS AN IMPORTANT FACTOR, OTHER CONSIDERATIONS CAN INFLUENCE MARCO'S PURCHASING DECISIONS.

1. NUTRITIONAL CONTENT

- ENSURE THE FOOD MEETS THE DIETARY NEEDS OF HIS CAT.
- CONSULT WITH A VETERINARIAN FOR RECOMMENDATIONS.

2. BRAND REPUTATION

- CHOOSE REPUTABLE BRANDS KNOWN FOR QUALITY AND SAFETY.
- READ REVIEWS OR SEEK RECOMMENDATIONS FROM OTHER PET OWNERS.

3. FOOD TYPE

- DECIDE BETWEEN DRY KIBBLE, WET FOOD, OR A MIX.
- EACH TYPE HAS DIFFERENT STORAGE, COST, AND NUTRITIONAL IMPLICATIONS.

4. STORAGE SPACE

- LARGER BAGS REQUIRE MORE STORAGE SPACE.
- CONSIDER IF YOU HAVE A SUITABLE PLACE TO KEEP BULK PURCHASES FRESH AND SAFE.

CONCLUSION: HOW MUCH WOULD MARCO SPEND?

TO SUM UP, THE KEY TO DETERMINING HOW MUCH MARCO WOULD SPEND ON CAT FOOD DEPENDS ON KNOWING THE UNIT PRICE PER BAG AND MULTIPLYING IT BY THE NUMBER OF BAGS HE INTENDS TO BUY. GIVEN THE INITIAL DATA, EACH BAG COSTS \$5.75. THEREFORE, IF MARCO WANTS TO BUY:

- 3 BAGS, HE PAYS \$17.25.
- 5 BAGS, HE PAYS \$28.75.
- 10 BAGS, HE PAYS \$57.50.
- 12 BAGS, HE PAYS \$69.00.

BY UNDERSTANDING THESE CALCULATIONS, MARCO CAN BUDGET EFFECTIVELY, COMPARE OPTIONS, AND MAKE INFORMED DECISIONS ABOUT HIS PET'S NUTRITION.

FINAL THOUGHTS

ACCURATE CALCULATION AND SMART SHOPPING ARE ESSENTIAL WHEN BUYING PET SUPPLIES LIKE CAT FOOD. ALWAYS CONSIDER BOTH THE COST PER UNIT AND THE QUALITY, AND LOOK FOR DEALS THAT CAN HELP YOU SAVE MONEY WITHOUT COMPROMISING ON YOUR PET'S HEALTH. WHETHER MARCO IS PURCHASING A FEW BAGS OR STOCKING UP IN BULK, KNOWING HOW TO DO THE MATH MAKES SHOPPING MORE EFFICIENT AND AFFORDABLE.

REMEMBER: THE KEY FORMULA IS SIMPLE:

TOTAL COST = NUMBER OF BAGS $\times$ PRICE PER BAG

USE THIS APPROACH FOR ANY NUMBER OF BAGS TO KEEP YOUR PET HAPPY AND YOUR WALLET HEALTHY!

FREQUENTLY ASKED QUESTIONS

HOW MUCH DOES ONE BAG OF CAT FOOD COST AT THE STORE?

TO FIND THE COST OF ONE BAG, DIVIDE THE TOTAL PRICE BY THE NUMBER OF BAGS: $\$17.25 \div 3 = \5.75 . SO, EACH BAG COSTS \$5.75.

IF MARCO WANTS TO BUY 6 BAGS OF CAT FOOD, HOW MUCH WILL IT COST?

SINCE ONE BAG COSTS \$5.75, 6 BAGS WILL COST $6 \times \$5.75 = \34.50 .

WHAT IS THE TOTAL COST IF MARCO BUYS 4 BAGS OF CAT FOOD?

4 BAGS COST $4 \times \$5.75 = \23.00 .

IF MARCO HAS \$50, HOW MUCH MONEY WILL HE HAVE LEFT AFTER BUYING 3 BAGS?

HE WILL SPEND \$17.25 ON 3 BAGS, SO REMAINING MONEY IS $\$50 - \$17.25 = \$32.75$.

WHAT IS THE UNIT PRICE OF THE CAT FOOD PER BAG?

THE UNIT PRICE PER BAG IS \$5.75.

IF THE STORE OFFERS A DISCOUNT OF 10% ON EACH BAG, HOW MUCH WOULD MARCO PAY FOR 3 BAGS?

A 10% DISCOUNT ON \$5.75 IS \$0.575, SO EACH BAG COSTS \$5.75 - \$0.575 = \$5.175. FOR 3 BAGS, TOTAL IS 3 × \$5.175 = \$15.525.

HOW CAN MARCO CALCULATE THE COST OF BUYING ANY NUMBER OF BAGS BASED ON THE PRICE GIVEN?

HE CAN MULTIPLY THE NUMBER OF BAGS BY THE UNIT PRICE OF \$5.75 TO FIND THE TOTAL COST.

IS THE PRICE OF 3 BAGS OF CAT FOOD PROPORTIONAL TO THE NUMBER OF BAGS?

YES, SINCE THE PRICE PER BAG REMAINS CONSTANT AT \$5.75, THE TOTAL PRICE IS PROPORTIONAL TO THE NUMBER OF BAGS.

ADDITIONAL RESOURCES

MARCO NEEDS TO BUY SOME CAT FOOD. AT THE NEAREST STORE, 3 BAGS OF FOOD COST 17.25\$. HOW MUCH WOULD MARCO SPEND IF HE BUYS A DIFFERENT NUMBER OF BAGS?

INTRODUCTION

WHEN IT COMES TO PET CARE, ESPECIALLY FOR OUR FELINE FRIENDS, NUTRITION PLAYS A CRITICAL ROLE. MARCO, LIKE MANY PET OWNERS, WANTS TO ENSURE HIS CAT RECEIVES QUALITY FOOD WITHOUT BREAKING THE BANK. RECENTLY, MARCO VISITED HIS LOCAL PET STORE AND DISCOVERED THAT BUYING THREE BAGS OF CAT FOOD COSTS HIM \$17.25. THIS SCENARIO RAISES AN IMPORTANT QUESTION: HOW MUCH WOULD MARCO SPEND IF HE DECIDES TO BUY A DIFFERENT NUMBER OF BAGS?

UNDERSTANDING THE COST PER BAG, CALCULATING TOTAL EXPENSES FOR VARIOUS QUANTITIES, AND CONSIDERING THE IMPLICATIONS OF BULK BUYING ARE ESSENTIAL FOR MAKING ECONOMICAL DECISIONS. THIS ARTICLE DELVES INTO THE DETAILS OF THE PRICING STRUCTURE, EXPLORES CALCULATIONS FOR DIFFERENT QUANTITIES, AND OFFERS INSIGHTS ON PURCHASING STRATEGIES THAT CAN BENEFIT MARCO AND OTHER PET OWNERS ALIKE.

UNDERSTANDING THE COST STRUCTURE

THE PRICE OF 3 BAGS OF CAT FOOD

- TOTAL COST FOR 3 BAGS: \$17.25
- THIS FIGURE PROVIDES A BASIS TO DETERMINE THE UNIT PRICE PER BAG.

CALCULATING THE UNIT PRICE

TO FIND THE COST OF A SINGLE BAG, DIVIDE THE TOTAL COST BY THE NUMBER OF BAGS:

$$\text{Cost per Bag} = \frac{\text{Total Cost}}{\text{Number of Bags}} = \frac{17.25}{3}$$

CALCULATING:

$$\frac{17.25}{3} = 5.75$$

- COST PER BAG: \$5.75

THIS MEANS EACH BAG OF CAT FOOD COSTS MARCO \$5.75 WHEN PURCHASED AT THIS STORE, ASSUMING THE PRICE REMAINS CONSTANT REGARDLESS OF QUANTITY.

CALCULATING EXPENSES FOR DIFFERENT QUANTITIES

ONCE THE PER-BAG PRICE IS KNOWN, MARCO CAN ESTIMATE HOW MUCH TO SPEND FOR ANY NUMBER OF BAGS. HERE'S A DETAILED BREAKDOWN:

BUYING 1 BAG

- COST: \$5.75

BUYING 2 BAGS

- CALCULATION: $2 \times \$5.75 = \11.50

BUYING 4 BAGS

- CALCULATION: $4 \times \$5.75 = \23.00

BUYING 5 BAGS

- CALCULATION: $5 \times \$5.75 = \28.75

BUYING 10 BAGS

- CALCULATION: $10 \times \$5.75 = \57.50

BUYING 20 BAGS

- CALCULATION: $20 \times \$5.75 = \115.00

EXPLORING BULK PURCHASE DISCOUNTS AND PRICE VARIATIONS

WHILE THE STRAIGHTFORWARD CALCULATION SUGGESTS A FIXED PRICE PER BAG, MANY STORES OFFER DISCOUNTS FOR BUYING IN BULK, WHICH CAN SIGNIFICANTLY REDUCE THE PER-BAG COST.

POTENTIAL DISCOUNT SCENARIOS

- BULK DISCOUNT OF 10% FOR PURCHASES OVER A CERTAIN NUMBER OF BAGS
- SPECIAL PROMOTIONAL PRICES FOR LARGE QUANTITIES
- LOYALTY PROGRAMS OR COUPONS THAT REDUCE THE OVERALL EXPENSE

IF MARCO PLANS TO PURCHASE A LARGER QUANTITY, IT'S PRUDENT TO INQUIRE WHETHER THE STORE PROVIDES ANY DISCOUNTS FOR BULK BUYING. FOR EXAMPLE, IF BUYING 6 BAGS QUALIFIES FOR A 10% DISCOUNT ON THE TOTAL:

$$\begin{aligned} & \backslash[\\ & \backslash\text{TEXT}\{\text{TOTAL BEFORE DISCOUNT}\} = 6 \backslash\text{T}\text{IMES} 5.75 = 34.50 \\ & \backslash] \end{aligned}$$

$$\begin{aligned} & \backslash[\\ & \backslash\text{TEXT}\{\text{DISCOUNT}\} = 10\% \backslash\text{T}\text{IMES} 34.50 = 3.45 \\ & \backslash] \end{aligned}$$

$$\backslash[\\ \text{TEXT}\{\text{FINAL PRICE}\} = 34.50 - 3.45 = 31.05 \\ \backslash]$$

THIS RESULTS IN A PER-BAG COST OF:

$$\backslash[\\ \frac{31.05}{6} \approx 5.175 \\ \backslash]$$

WHICH IS CHEAPER THAN THE ORIGINAL \$5.75 PER BAG.

FINANCIAL PLANNING AND BUDGETING

FOR PET OWNERS LIKE MARCO, BUDGETING IS ESSENTIAL. CALCULATING COSTS BASED ON THE NUMBER OF BAGS HELPS IN PLANNING EXPENSES OVER TIME.

EXAMPLE BUDGETING SCENARIOS

- MONTHLY SUPPLY: IF MARCO'S CAT CONSUMES APPROXIMATELY ONE BAG PER WEEK, HE NEEDS ABOUT 4 BAGS PER MONTH.
- AT \$5.75 PER BAG: $4 \times \$5.75 = \$23.00/\text{MONTH}$
- QUARTERLY SUPPLY: BUYING 12 BAGS AT ONCE
- $12 \times \$5.75 = \69.00
- ANNUAL SUPPLY: 52 WEEKS IN A YEAR, ASSUMING ONE BAG PER WEEK
- $52 \times \$5.75 = \299.00

BY UNDERSTANDING THESE FIGURES, MARCO CAN DECIDE WHETHER TO BUY IN SMALLER QUANTITIES REGULARLY OR PURCHASE LARGER QUANTITIES LESS FREQUENTLY, POTENTIALLY SAVING IN THE LONG RUN.

ADDITIONAL FACTORS TO CONSIDER

WHILE STRAIGHTFORWARD CALCULATIONS FOCUS ON THE PRICE PER BAG, OTHER FACTORS INFLUENCE THE OVERALL DECISION:

QUALITY VS. COST

- HIGHER-QUALITY CAT FOODS OFTEN COME AT A HIGHER PRICE BUT PROVIDE BETTER NUTRITION.
- SOMETIMES, STORE BRANDS OR GENERIC OPTIONS OFFER SIMILAR NUTRITIONAL VALUE FOR LESS.

STORAGE SPACE AND FRESHNESS

- BUYING IN BULK REQUIRES ADEQUATE STORAGE SPACE.
- ENSURING THE FOOD REMAINS FRESH IS VITAL; IMPROPER STORAGE CAN LEAD TO SPOILAGE.

STORE POLICIES AND RETURN/EXCHANGE OPTIONS

- CONFIRM IF THE STORE ACCEPTS RETURNS OR EXCHANGES FOR UNOPENED BAGS.
- CHECK FOR LOYALTY PROGRAMS OR DISCOUNTS ON FUTURE PURCHASES.

PRICE FLUCTUATIONS AND MARKET TRENDS

- PRICES MAY VARY DUE TO SUPPLY CHAIN ISSUES, SEASONAL OFFERS, OR SUPPLIER CHANGES.
- MONITORING PRICES CAN HELP MARCO BUY WHEN COSTS ARE LOWEST.

PRACTICAL TIPS FOR MARCO

1. CALCULATE THE COST PER BAG REGULARLY: STAYING AWARE OF THE PRICE HELPS IN COMPARING DIFFERENT BRANDS AND STORES.
2. LOOK FOR BULK DISCOUNTS: ALWAYS ASK ABOUT PROMOTIONS OR DISCOUNTS FOR LARGER PURCHASES.
3. COMPARE PRICES ACROSS STORES: SOMETIMES, OTHER STORES MIGHT OFFER BETTER DEALS.
4. BUY IN LARGER QUANTITIES WHEN POSSIBLE: TO SAVE MONEY, ESPECIALLY IF STORAGE SPACE ISN'T AN ISSUE.
5. CHECK FOR COUPONS AND LOYALTY PROGRAMS: THESE CAN FURTHER REDUCE OVERALL COSTS.
6. CONSIDER SUBSCRIPTION SERVICES: SOME ONLINE STORES OFFER SUBSCRIPTION PLANS WITH DISCOUNTS.

FINAL THOUGHTS

UNDERSTANDING THE COST STRUCTURE OF PET SUPPLIES LIKE CAT FOOD ALLOWS PET OWNERS LIKE MARCO TO MAKE INFORMED PURCHASING DECISIONS. BASED ON THE STORE'S PRICE OF \$17.25 FOR 3 BAGS, THE PER-BAG COST IS \$5.75. WITH THIS KNOWLEDGE, MARCO CAN EASILY CALCULATE EXPENSES FOR ANY NUMBER OF BAGS, PLAN HIS BUDGET EFFECTIVELY, AND EXPLORE OPTIONS FOR DISCOUNTS AND BULK BUYING STRATEGIES.

WHETHER BUYING A SINGLE BAG OR STOCKING UP FOR SEVERAL MONTHS, BEING AWARE OF THE UNIT PRICE AND AVAILABLE DISCOUNTS ENSURES MARCO GETS THE BEST VALUE FOR HIS MONEY WHILE KEEPING HIS FELINE FRIEND WELL-NOURISHED. ALWAYS REMEMBER, SMART SHOPPING IS NOT JUST ABOUT SAVING MONEY BUT ABOUT MAKING CHOICES THAT BENEFIT BOTH YOUR PET'S HEALTH AND YOUR FINANCIAL WELL-BEING.

SUMMARY

- PRICE OF 3 BAGS: \$17.25
- COST PER BAG: \$5.75
- EXPENSES FOR VARIOUS QUANTITIES: CALCULATED BY MULTIPLYING NUMBER OF BAGS BY \$5.75
- BULK DISCOUNTS: POTENTIAL FOR SAVINGS WHEN BUYING LARGER QUANTITIES
- BUDGETING TIPS: PLAN MONTHLY, QUARTERLY, AND YEARLY PURCHASES
- ADDITIONAL CONSIDERATIONS: QUALITY, STORAGE, STORE POLICIES, AND MARKET TRENDS

BY MASTERING THESE CALCULATIONS AND CONSIDERATIONS, MARCO CAN CONFIDENTLY MAKE PURCHASES THAT MEET HIS PET'S NEEDS WHILE STAYING WITHIN HIS BUDGET.

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