

Sales Tax — Step by Step

A guided introduction · 6% sales tax

NAME

DATE

What Is Sales Tax?

When you buy something at a store, the store adds **sales tax** to the price. The tax rate on this worksheet is **6%**.

Here is how to find the total cost in one step:

$$\text{Total Cost} = \text{Price} \times 1.06$$

The **1** keeps the original price. The **0.06** adds the 6% tax. Together they give you the total in one multiplication.

$$\text{Example: } \$5.00 \times 1.06 = \$5.30$$

Your budget is \$32.00. If the total costs more than \$32.00, you cannot afford it.

Quick Reference — use this to check your work

Price Before Tax	Total Cost ($\times 1.06$)
\$6.00	\$6.36
\$12.00	\$12.72
\$18.00	\$19.08
\$24.00	\$25.44
\$30.00	\$31.80
\$32.00	\$33.92

1. Laundry Hamper — price before tax \$18.00

Step 1 — total cost: $\$18.00 \times 1.06 = \$$

Step 2 — can you afford it with \$32.00?

YES

NO

(circle one)

If YES, how much money is left over? \$

2. Bath Towel — price before tax \$12.00

Step 1 — total cost: $\$12.00 \times 1.06 = \$$

Step 2 — can you afford it with \$32.00?

YES

NO

(circle one)

If YES, how much money is left over? \$

3. Toaster — price before tax \$32.00

Step 1 — total cost: $\$32.00 \times 1.06 = \$$

Step 2 — can you afford it with \$32.00?

YES

NO

(circle one)

If YES, how much money is left over? \$

4. Wall Clock — price before tax \$30.00

Step 1 — total cost: $\$30.00 \times 1.06 = \$$

Step 2 — can you afford it with \$32.00?

YES

NO

(circle one)

If YES, how much money is left over? \$

5. Travel Mug — price before tax \$6.00

Step 1 — total cost: $\$6.00 \times 1.06 = \$$

Step 2 — can you afford it with \$32.00?

YES

NO

(circle one)

If YES, how much money is left over? \$

Think about it

In Problem 3, the toaster costs exactly \$32.00 and your budget is \$32.00. Why couldn't you afford it?