



# Maths Accelerator Centre

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## P6 Problem Sums – Mini Lesson

### Term 1 Lesson 3

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## Revision Notes: Percentage and Discount

### Key Ideas

- **Percentage (%)** means “out of 100.”
  - **Discount** is the amount reduced from the original price.
  - To find the **discount amount**, multiply the original price by the discount percentage.
  - To find the **final price**, subtract the discount amount from the original price.
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### Worked Example

#### Question:

The original price of a tablet was **\$550**. During a sale, Melvin was given a **30% discount** for the tablet. How much did he pay for the tablet?

#### Step 1: Find the discount amount

$$\text{Discounted Price} = 550 \times \frac{30}{100} = 165$$

#### Step 2: Find the final price

$$\text{Final Price} = \text{Original Price} - \text{Discount}$$

$$= 550 - 165 = 385$$

**Answer:** Melvin paid **\$385** for the tablet.

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### Quick Tips

1. To calculate quickly:
  - **Final Price = Original Price × (100% – Discount %)**
  - Example:  $(550 \times (100\% - 30\%)) = 550 \times 70\% = 550 \times 0.7 = 385$
2. Always check if the question asks for:
  - **Discount amount** (how much was reduced)
  - **Final price** (how much was paid after discount)

### Discussion Question

Follow the trainer in this video and solve this question.

1. Mrs Lim bought an oven for \$ 126 after a discount of 30%.
  - (a) What was the price of the oven before discount?
  - (b) She paid \$ 40 for a fan. The total discount for the oven and the fan was \$ 64.  
What was the percentage discount given for the fan?

## Practice Time

Here are **4 practice questions** based on this strategy.

Follow the step-by-step method we discussed in the video to solve each one.

- ✓ Work through the problems carefully.
- ✓ Check your solutions against the **Answer Key** provided on the last page.

1. Mr. Tan bought a microwave for **\$210** after a discount of **25%**.
  - a. What was the price of the microwave before the discount?
  - b. He also bought a toaster for **\$45**. The total discount for the microwave and the toaster was **\$85**. What was the percentage discount given for the toaster?
  
2. Sarah bought a tablet for **\$480** after a discount of **20%**.
  - a. What was the price of the tablet before the discount?
  - b. She bought a protective case for **\$30**. The total discount for the tablet and the case was **\$130**. What was the percentage discount given for the case?

3. A bicycle was sold for **\$360** after a discount of **40%**.
  - a. What was the original price of the bicycle?
  - b. A helmet was purchased for **\$56**. If the total discount for both items amounted to **\$254**, what was the percentage discount given for the helmet?
  
4. An office chair was sold for **\$135** after a **10%** discount.
  - a. What was the price of the chair before the discount?
  - b. A desk lamp was bought for **\$24**. The total discount for the chair and the lamp was **\$21**. What was the percentage discount given for the lamp?

Answer Key

1a. \$ 280

1b. 25%

2a. \$ 600

2b. 25%

3a. \$ 600

3b. 20%

4a. \$ 150

4b. 20%