

**P5/P6
PERCENTAGE**

GYM Edu Hub Primary

Percentage Quick Notes

For P5/P6 Math - understand percentage as part of 100 and always find the base.

Teacher Hidayah says: In percentage questions, the most important question is: Percentage of what?

Percentage Mind Map

1. Percent means out of 100 25% means 25 out of 100.	2. Fraction to percentage Convert the denominator to 100 when possible, or multiply by 100%.
3. Percentage of quantity Find the given percentage of the total or base quantity.	4. Increase/decrease New amount = original amount + increase, or original amount - decrease.
5. Base quantity The base is the original amount or the "of" quantity.	6. Common trap Using the final amount as the base when the original amount is needed.

Must-Know Conversions

1/2	50%
1/4	25%
3/4	75%
1/5	20%
1/10	10%

Worked Example

Question: A bag costs \$80. It is discounted by 25%. What is the discounted price?

Step 1: Identify base	Original price = \$80.
Step 2: Find discount	25% of \$80 = $\frac{1}{4}$ of \$80 = \$20.
Step 3: Find discounted price	\$80 - \$20 = \$60.
Answer	The discounted price is \$60.

Common Percentage Mistakes

- Not identifying the base quantity.
- Finding the increase but forgetting to add it to the original.
- Finding the discount but forgetting to subtract it.
- Mixing up percentage increase and final percentage.
- Using a calculator without checking if the answer makes sense.

Quick Check: If it says "increased by 20%", the final amount is 120% of the original. If it says "decreased by 20%", the final amount is 80% of the original.

Before-Class Prep

- Warm-up 1: Convert $\frac{1}{4}$ to percentage.
- Warm-up 2: Find 10% of 250.
- Warm-up 3: A price of \$60 increases by 20%. What is the increase?

After-Class Practice

- Do 5 percentage of quantity questions.
- Do 3 increase/decrease questions.
- Underline the base quantity in every question.
- Write whether the answer should be bigger or smaller than the original.

Mistake Fix Zone

Wrong base I used the final amount instead of the original amount.	Forgot final step I found the percentage but did not add/subtract it.
Wrong conversion I changed fraction, decimal or percentage wrongly.	No sense check My answer should be bigger/smaller, but I did not check.