



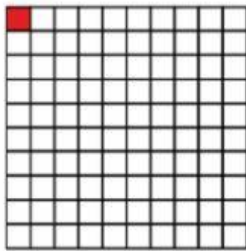
# UNIT 7: PERCENTAGE

## Lesson 1: Percentage

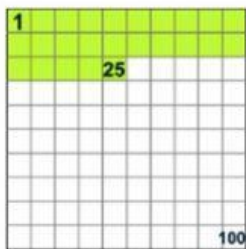
### I. Basic knowledge

#### 1. Percentage

When we say “Percent”, we are really saying “Per 100”

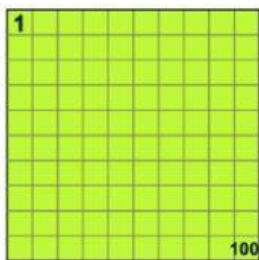


- One percent (1%) means 1 per 100.
- 1% of this box is shaded red.  
It is very small, isn't it?



- 25% means 25 per 100.
- 25% of this box is shaded green.

#### 2. Example



- **100% means all.**

Example:

$$100\% \text{ of } 80 \text{ is } \frac{100}{100} \times 80 = 80$$

- **50% means half.**

Example:

$$50\% \text{ of } 80 \text{ is } \frac{50}{100} \times 80 = 40$$



### 3. Using percent

**“Percent” means “Per 100” think:**

**“This should be divided by 100.”**

*Example:* When 100% = 80, then 75% = 65.

So,

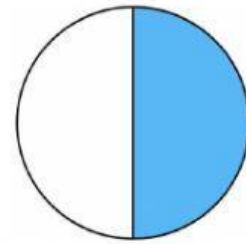
- 75% means  $\frac{75}{100}$ .
- 100% is exactly  $\frac{100}{100} = 1$ . (100% of any number is itself, unchanged.)
- 200% is exactly  $\frac{200}{100} = 2$ . (200% of any number is twice that number.)

**A percent can also be expressed as a Decimal or Fraction**

*Example:*

**A half can be written**

- as a percentage: 50%
- as a decimal: 0.5
- as a fraction:  $\frac{1}{2}$



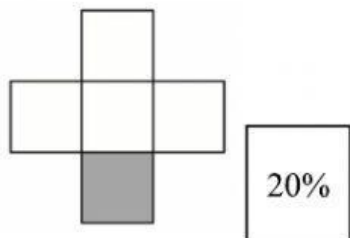
## II. Vocabulary

English words	Vietnamese meaning
Percent	Phần trăm
Percentage	Tỷ lệ phần trăm

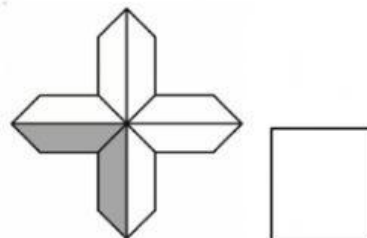
### III. Practice

1. What percentage of each shape is shaded?

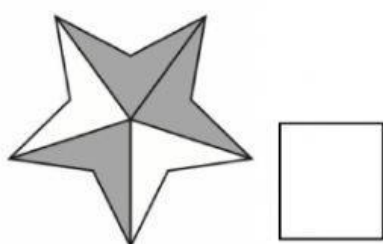
a.



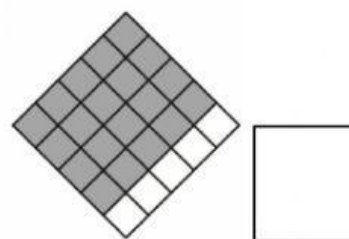
b.



c.



d.



2. Calculate.

a. 15% of 200 is \_\_\_\_\_

b. 30% of 250 is \_\_\_\_\_

c. 45% of 420 is \_\_\_\_\_

3. 15% of 200 apples are red. How many apples are red?

Answer: \_\_\_\_\_ apples.

4. 25% of a number is 60. What is the number?

Answer: \_\_\_\_\_.

5. A jacket costs \$50. In the sale, there is 20% off the jacket.

What does the jacket cost now?

Answer: \$ \_\_\_\_\_

6. The price of a coat is \$45. In a sale, the price is reduced by 15%. What is the price of the coat now?

Answer: \_\_\_\_\_