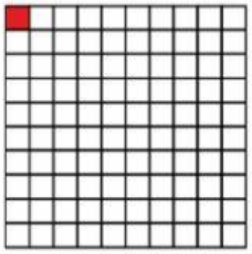
UNIT 7: PERCENTAGE

Lesson 1: Percentage

I. Basic knowledge

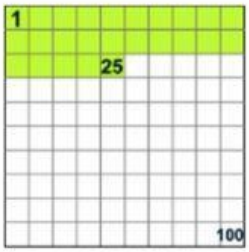
1. Percentage

When we say "Percent", we are really saying "Per 100"



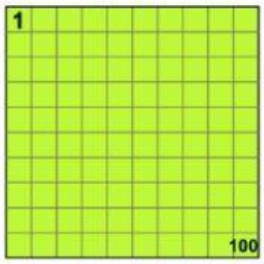
- One percent (1%) means 1 per 100.
- 1% of this box is shaded red.

  It is very small, isn't it?



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

2. Example

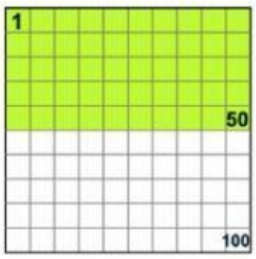


- **100% means all.**

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

- **50% means half.**

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



LIVEWORKSHEETS

3. Using percent

"Percent" means "Per 100" think:

"This should be divided by 100."

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

So,

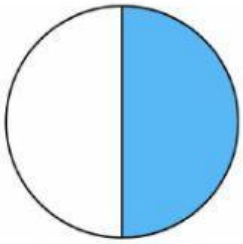
- 75% means $\frac{75}{100}$.
- 100% is exactly $\frac{100}{100} = 1$. (100% of any number is itself, unchanged.)
- 200% is exactly $\frac{200}{100} = 2$. (200% of any number is twice that number.)

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

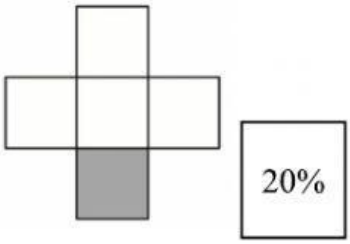
English words	Vietnamese meaning
Percent	Phần trăm
Percentage	Tỷ lệ phần trăm

LIVEWORKSHEETS

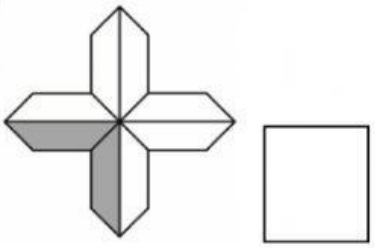
III. **Practice**

1. What percentage of each shape is shaded?

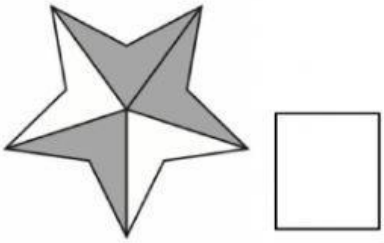
a.



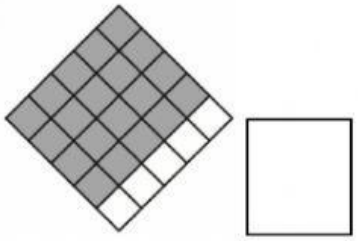
b.



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: _____

LIVEWORKSHEETS