A Hundredth Part

A. Complete the following statements.

1. The hundredth part of 2,000 is _____.

2. 0.01 is the same as _____%.

3. 62/100 as a decimal is _____.

4. To find the hundredth part of a number, you can move the decimal point _____ places to the left.

5. 1% of 90 is _____.

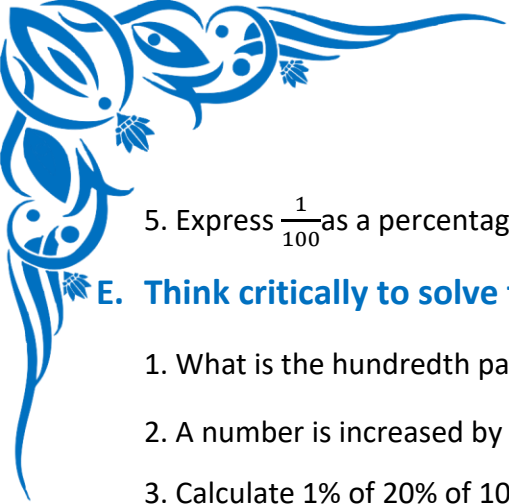**B. Match the expression in Column A with its correct value in Column B.**

Column A	Column B
1. $\frac{1}{100}$ of 900	A. 0.6
2. 1% of 60	B. 0.35
3. $\frac{35}{100}$	C. 9
4. $\frac{1}{100}$ of 250	D. $\frac{1}{100}$
5. 0.01 as a fraction	E. 2.5

C. Solve the following problems. Show your work where necessary.

1. Calculate the hundredth part of 950.

2. Find 0.01 of 25.

3. What is 1% of 3,450?

4. If the hundredth part of a number is 7, what is the number?

5. Convert the fraction $\frac{3}{20}$ into a decimal representing hundredths.

D. Answer these quick questions to get started.

1. What is the hundredth part of 500?

2. Write $\frac{45}{100}$ as a decimal.

3. Write 0.09 as a fraction.

4. What is 1% of 800?

5. Express $\frac{1}{100}$ as a percentage.

E. Think critically to solve these more difficult problems.

1. What is the hundredth part of one-half ($\frac{1}{2}$)? Write your answer as a fraction and a decimal.

2. A number is increased by its hundredth part. If the new number is 505, what was the original number?

3. Calculate 1% of 20% of 10,000.

4. The hundredth part of Number A is equal to the tenth part of Number B. If Number B is 6.5, what is Number A?

5. A square has an area of 900 cm². A new, smaller square is drawn whose side length is equal to the hundredth part of the original square's area. What is the perimeter of the new, smaller square?

F. Apply your knowledge to real-world scenarios.

1. A smartphone costs $1,200. The store charges a 1% environmental fee on all electronics. How much is the fee for the smartphone?

2. A recipe for 100 cupcakes requires 800g of sugar. How much sugar is in just one cupcake (the hundredth part of the batch)?

3. A city with a population of 450,000 people experienced a 1% growth in population last year. How many new residents does the city have?

4. A roll of fabric is 500 cm long. A designer uses a hundredth of its length to create a ribbon. How many centimeters of fabric are left on the roll?

5. A company made a profit of $2.5 million. It decided to donate 1% of its profit to a local animal shelter. How much money was donated?

G. True or False

1. The hundredth part of 70 is 0.07. _____

2. 1% of 500 is the same as 5% of 100. _____

3. $\frac{1}{100}$ of a number is always larger than $\frac{1}{10}$ of the same positive number. _____

4. The decimal 0.4 is equivalent to $\frac{4}{100}$. _____

5. To find 1% of a number, you multiply it by 100. _____