Measuring Time Through the Ages

A. Complete the sentences with the correct word or number.

1. When adding or subtracting decimals, you must always line up the _____.

2. The number 4.08 is _____ than the number 4.80.

3. Subtracting a negative decimal is the same as _____ its positive counterpart.

4. The result of 12.5 - 15.2 will be a _____ number.

5. To make the number 3.45 equal to 4, you need to add _____.

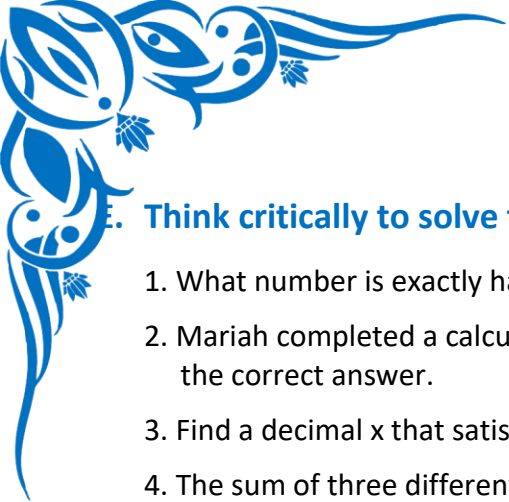**B. Match the expression in Column A with its correct value in Column B.**

Column A (Expression)	Column B (Value)
1. 14.5 + 3.75	A. 10.75
2. 20 - 9.25	B. -2.5
3. 5.5 - 8	C. 18.25
4. 1.25 + 9.5	D. 16.2
5. 19.7 - 3.5	E. 10.7
	F. 10.25

C. Apply your skills to solve these problems. Show your work.

1. Compare the following decimals using <, >, or =. -3.15 ____ -3.05

2. Order the following set of decimals from greatest to least: 2.03, -2.3, 2.303, -2.003, 2.33

3. Calculate: 45.87 + 103.6 + 0.99 =

4. Calculate: 8.005 + 14.29 =

5. Calculate: 50.2 - 19.84 =

D. Answer these quick questions to get your brain warmed up!

1. Compare the following decimals using <, >, or =. 7.89 ____ 7.9

2. Calculate: 12.4 + 5.3 =

3. Calculate: 9.5 - 3.1 =

4. Order the following decimals from least to greatest: 0.5, 0.05, 5.0

5. Which decimal is located between 4.2 and 4.3 on a number line? a) 4.19 b) 4.25 c) 4.31

E. Think critically to solve these more difficult problems.

1. What number is exactly halfway between 5.6 and 8.2?

2. Mariah completed a calculation: 15.2 - 3.45 + 7.1. Her answer was 4.65. Identify her mistake and find the correct answer.

3. Find a decimal x that satisfies the following condition: -0.8 < x < -0.79

4. The sum of three different decimals is 20.5. Two of the decimals are 7.25 and 11.8. What is the third decimal?

5. Evaluate the expression: (10.1 - 15.3) + (8.2 - (-2.8))

F. Apply your decimal skills to real-world scenarios.

1. Leo went shopping. He bought a shirt for $24.95 and a pair of socks for $7.50. If he paid with a $50 bill, how much change did he receive?

2. A professional cyclist is training for a race. On Monday, she rode 42.5 km. On Tuesday, she rode 5.75 km farther than she did on Monday. On Wednesday, she rode 10.2 km less than she did on Tuesday. How many kilometers did she ride on Wednesday?

3. The average rainfall in a city during July is 12.45 cm. This year, only 8.6 cm of rain fell. How much below average was the rainfall?

4. A chemistry experiment requires 2.5 liters of water. The beaker already contains 0.85 liters. How much more water needs to be added to the beaker?

5. In a diving competition, Judge A gave a score of 8.7, Judge B gave a score of 9.1, and Judge C gave a score of 8.45. What is the difference between the highest and lowest scores?

G. True or False

1. 6.700 is greater than 6.7. _____

2. To solve 10 - 4.3, you can rewrite 10 as 10.0. _____

3. -8.5 is greater than -8.4. _____

4. The sum of 2.5 and -3.5 is 1.0. _____

5. When ordering decimals, the number with more digits is always larger. _____