Subject: Maths

Class: 7

Topic: Partitioning Decimal Numbers

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Partition 4.5 into whole numbers and tenths: 4 + _____.

2. Write the value of 8 in the number 12.83: _____.

3. Expand 0.72 using addition: 0.7 + _____.

4. Fill in the blank: 15.06 = 10 + 5 + _____.

5. What is the place value of 9 in ? 45.90? _____.

6. Partition 6.28: (6 x 1) + (2 x 0.1) + (8 x _____).

7. Combine these parts to make a decimal: 20 + 3 + 0.4 + 0.05 = _____.

8. In the number 7.31, which digit is in the hundredths place? _____.

9. Partition 0.44 into two equal parts: _____ + 0.22.

10. Use ? to mark the tenths place in 5.67: 5 . [?] 7

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Level: Intermediate

1. Partition 142.365 into Hundreds, Tens, Ones, Tenths, Hundredths, and Thousandths.

2. Write 5.008 in expanded form using decimals: _____.

3. Arjun has ? 50.75. Partition this into Rupees and Paise: _____.

4. If you take away 0.04 from 1.24, what is the remaining partitioned part? _____.

5. Partition 0.982 into: 0.9 + _____ + 0.002.

6. Express 25.14 as a sum of a whole number and a fraction: 25 + (14/_____).

7. Which is larger? 0.5 partitioned as 0.50 or 0.5 partitioned as 0.05? _____.

8. Fill the gap: 8.777 = 8 + 0.7 + _____ + 0.007.

9. Partition ? 100.25 into three parts: 100 + 0.2 + _____.

10. Draw ? next to the digit in the thousandths place: 0.123

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Level: Advanced

1. Partition 1.25 in three different ways. (Example: 1 + 0.2 + 0.05)

2. Solve: (3 x 10) + (5 x 1) + (4 x 0.1) + (9 x 0.001) = _____.

3. Partition 0.456 using only thousandths: How many thousandths are there? _____.

4. Aaditya says 0.30 is 3 tenths and 0 hundredths. Is he correct? (Yes/No) _____.

5. Find the missing part: 5.82 = 4 + 1.8 + _____.

6. Partition 0.123 using the symbol ? for tenths: (1 x ?) + (2 x 0.01) + (3 x 0.001).

7. If ? is roughly 3.14, partition it into ones, tenths, and hundredths: _____.

8. Partition ? 45.65 into the smallest number of ? 10 notes, ? 1 coins, and paise.

9. Express 0.75 as the sum of two different decimals: _____ + _____.

10. Challenge: Partition 2^2 + 0.5 + 0.06 into a single decimal number: _____.