Subject: Mathematics

Class: 7

Topic: Decimal Numbers (Place Value)

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Write the place value of the underlined digit: 45.?67 (Value: _____)

2. Convert the fraction 7/10 into a decimal: _____

3. In the number 123.45, which digit is in the tenths place? _____

4. Write 'Twenty-five and four hundredths' as a decimal: _____

5. Which is greater? 0.5 ? 0.05

6. Expand the number 6.28: 6 + 2/____ + 8/100

7. Represent ? 5 and 50 paise as a decimal: ? _____

8. True or False: 0.7 is the same as 0.70. (_____)

9. What is the value of the digit 9 in 0.9? (9/10 or 9/100): _____

10. Identify the decimal part in the number 14.32: _____

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Level: Intermediate

1. Aarav bought a pen for ? 12.75. Write the value of 7 in the tenths place: _____

2. Arrange in ascending order: 0.12, 0.21, 0.02, 0.2. (_____)

3. Write the sum of 5 + 3/10 + 9/1000 as a decimal: _____

4. Convert 4 kg 50 g into kilograms using decimals: _____ kg

5. Priya has ? 100.25 and spends ? 50.10. What is the decimal place value of '1' in her remaining balance? _____

6. Express 75 paise as a fraction of a Rupee in decimal form: ? _____

7. Find the missing number: 15.4 + _____ = 16.0

8. In 456.789, the digit 8 is in the _____ place.

9. Multiply 1.2 by 10 and write the new place of digit 2: _____

10. How many ? (hundredths) make one ? (tenth)? _____

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Level: Advanced

1. Solve for ?: If ? = 4.567, what is the value of (? ? 100) rounded to the tenths place? _____

2. Express the thickness of a wire (0.005 cm) as a fraction in simplest form: _____

3. If ? is approximately 3.14, write the place value of the digit 4: _____

4. Compare using <, > or =: 0.5^2 _____ 0.25

5. Convert 1234/1000 into a mixed decimal and name the thousandths digit: _____

6. A bag of rice weighs 25.045 kg. Write the expansion using powers of 10: _____

7. Write the decimal equivalent of 'Twelve ones, seven tenths, and nine thousandths': _____

8. If a car travels 15.5 km in 1 liter, how many km (in decimals) will it travel in 100 liters? _____

9. Subtract 0.009 from 1.0 and write the result: _____

10. Challenge: Write a decimal number where the tenths digit is double the hundredths digit: _____