Like and Unlike Decimals

Understanding the Topic

- Like decimals are decimals that have the same number of digits after the decimal point.
- Unlike decimals are decimals that have a different number of digits after the decimal point.
- To compare or add/subtract unlike decimals, we convert them into like decimals first by adding zeros at the end.

Why is it important?

- It helps in comparing, adding, or subtracting decimals correctly.
- Like decimals make calculations easier and clearer.

Examples with Solutions

1. Identify Like and Unlike Decimals

3.5 and 6.8 → Like decimals (both have 1 digit after decimal)

4.75 and 7.3 → Unlike decimals (2 and 1 digits after decimal)

Answer: 3.5 and 6.8 are like decimals

2. Convert Unlike Decimals into Like Decimals

2.4 and 2.35 → Unlike decimals

Convert 2.4 to 2.40

Now both are like decimals: 2.40 and 2.35

3. Comparing Decimals

Compare 5.2 and 5.18

Make them like decimals: 5.20 and 5.18

5.20 > 5.18, so 5.2 is greater

4. Add Unlike Decimals

Add 4.6 and 2.35

Convert 4.6 to 4.60

Now add: 4.60 + 2.35 = 6.95

5. Subtract Unlike Decimals

Subtract 7.5 – 3.28

Convert 7.5 to 7.50

Now subtract: 7.50 – 3.28 = 4.22

Summary Points

- Like decimals have the same number of digits after the decimal point.
- Unlike decimals have different number of digits after the decimal point.
- You can make unlike decimals into like decimals by adding zeros.
- Making decimals like helps in comparing, adding, and subtracting.
- **Example:** 4.5 and 4.50 are like decimals and equal.