Decimals in expanded form

Write each decimal as digits times their place, or write the decimal the sum makes.

Name _____ Date _____

1. 92.38 = _____

2. 9 × 10 + 2 × (1/10) + 6 × (1/100) = _____

3. 1 × 10 + 1 × 1 + 8 × (1/10) + 2 × (1/100) = _____

4. 67.04 = _____

5. 2 × 10 + 3 × 1 + 8 × (1/10) + 6 × (1/100) = _____

6. 41.172 = _____

7. 86.03 = _____

8. 3 × 10 + 5 × (1/10) + 3 × (1/100) = _____

9. 44.684 = _____

10. 59.85 = _____

Decimals in expanded form: answer key

Each answer in colour.

1. 92.38 = 9 × 10 + 2 × 1 + 3 × (1/10) + 8 × (1/100)
2. 9 × 10 + 2 × (1/10) + 6 × (1/100) = 90.26
3. 1 × 10 + 1 × 1 + 8 × (1/10) + 2 × (1/100) = 11.82
4. 67.04 = 6 × 10 + 7 × 1 + 4 × (1/100)
5. 2 × 10 + 3 × 1 + 8 × (1/10) + 6 × (1/100) = 23.86
6. 41.172 = 4 × 10 + 1 × 1 + 1 × (1/10) + 7 × (1/100) + 2 × (1/1000)
7. 86.03 = 8 × 10 + 6 × 1 + 3 × (1/100)
8. 3 × 10 + 5 × (1/10) + 3 × (1/100) = 30.53
9. 44.684 = 4 × 10 + 4 × 1 + 6 × (1/10) + 8 × (1/100) + 4 × (1/1000)
10. 59.85 = 5 × 10 + 9 × 1 + 8 × (1/10) + 5 × (1/100)