# Practice – Unit 5

## Decimals and Negative Numbers

**Name:** _____ **Date:** _____

## 1. Calculate

***Remember: Make sure the decimal points are aligned (one below the other) before adding or subtracting.***

a) What is the total of 0.7 and 0.8? _____

b) What is the difference between 1 and 0.6? _____

c) Find the sum of 6.35 and 4.27. _____

d) Subtract 8.46 from 15.72. _____

## 2. Temperatures

The table shows the temperatures in six cities:

| City | Temperature |
|---|---|
| Paris | 12°C |
| Berlin | −3°C |
| Tokyo | 8°C |
| Moscow | −7°C |
| Oslo | −4°C |
| Dubai | 25°C |

a) The temperature in Moscow rises by 6°C. What is the new temperature? _____

b) The temperature in Berlin falls by 4°C. What is the new temperature? _____

c) The temperature in Oslo rises by 9°C. What is the new temperature? _____

d) The temperature in Tokyo falls by 11°C. What is the new temperature? _____

## 3. Calculate

**Positive numbers / increase: move to the right from zero (→).**

**Negative numbers / decrease: move to the left from zero (←).**

a) −8 + 25 = _____

b) 6 − 14 = _____

c) −12 + 30 = _____

d) 5 − 17 = _____

e) −6 + 19 = _____

f) 12 − 20 = _____

## 4. Word Problems

a) Sara buys two bags. One bag weighs 12.45 kg and the other weighs 6.35 kg. What is the total weight of both bags?

Answer: _____

b) A plane allows 20 kg of luggage. Ahmed's suitcase weighs 13.65 kg and his second bag weighs 4.75 kg. How much luggage weight is left?

Answer: _____

c) A shopkeeper had 25.50 kg of rice. He sold 12.75 kg. How much rice is left?

Answer: _____

d) Ali walks 2.45 km in the morning and 3.35 km in the evening. How far does he walk altogether?

Answer: _____

## 5. Extra Practice – Decimal Addition

***Remember: Make sure the decimal points are aligned (one below the other) before adding or subtracting.***

a) 0.4 + 0.9 = _____

b) 0.35 + 0.42 = _____

c) 3.56 + 2.38 = _____

d) 7.25 + 5.67 = _____

e) 12.48 + 6.35 = _____

## 6. Decimal Subtraction

***Remember: Make sure the decimal points are aligned (one below the other) before adding or subtracting.***

a) 1 − 0.4 = _____

b) 0.9 − 0.3 = _____

c) 5.75 − 2.35 = _____

d) 9.64 − 4.28 = _____

e) 20.00 − 8.75 = _____

## 7. Negative Numbers

a) −5 + 12 = _____

b) −9 + 15 = _____

c) 8 − 13 = _____

d) −15 + 7 = _____

e) 10 − 18 = _____

f) −4 + 16 = _____

## 8. Challenge Questions

a) The temperature is −6°C. It rises by 10°C and then falls by 3°C. What is the final temperature?

Answer: _____

b) A boy has Rs. 500. He buys a book for Rs. 175.50 and a pencil box for Rs. 125.75. How much money is left?

Answer: _____

c) A water tank contains 18.75 litres of water. Another 6.50 litres are added. How much water is in the tank now?

Answer: _____

# 3-Digit × 2-Digit Multiplication

*Work out each question in the boxes.*

| | | 2 | 1 | 3 |
|---|---|---|---|---|
| | × | | 2 | 9 |
| | | | | |
| | | | | |

a)

| | | 9 | 9 | 0 |
|---|---|---|---|---|
| | × | | 1 | 3 |
| | | | | |
| | | | | |

b)

| | | 2 | 2 | 6 |
|---|---|---|---|---|
| | × | | 1 | 1 |
| | | | | |
| | | | | |

c)

| | | 5 | 5 | 4 |
|---|---|---|---|---|
| | × | | 2 | 4 |
| | | | | |
| | | | | |

d)

| | | 5 | 4 | 1 |
|---|---|---|---|---|
| | × | | 6 | 5 |
| | | | | |
| | | | | |

e)

| | | 4 | 6 | 8 |
|---|---|---|---|---|
| | × | | 9 | 6 |
| | | | | |
| | | | | |

f)

| | | 1 | 0 | 1 |
|---|---|---|---|---|
| | × | | 1 | 5 |
| | | | | |
| | | | | |

g)

| | | 9 | 3 | 5 |
|---|---|---|---|---|
| | × | | 5 | 9 |
| | | | | |
| | | | | |

| | | 1 | 8 | 0 |
|---|---|---|---|---|
| | × | | 4 | 4 |
| | | | | |
| | | | | |

| | | 3 | 2 | 6 |
|---|---|---|---|---|
| | × | | 2 | 7 |
| | | | | |
| | | | | |

# 10. Division Practice

*Solve the following questions. Show your working.*

| | |
|---|---|
| **a) 864 ÷ 4 = _____** | **b) 735 ÷ 5 = _____** |
| **c) 936 ÷ 6 = _____** | **d) 848 ÷ 8 = _____** |
| **e) 672 ÷ 3 = _____** | **f) 945 ÷ 7 = _____** |
| **g) 816 ÷ 4 = _____** | **h) 999 ÷ 9 = _____** |
| **i) 758 ÷ 6 = _____** | **j) 683 ÷ 5 = _____** |