

1. Fill in the blanks with the correct word or rule.

- (a) When a problem has multiplication and addition, you do _____ first.
- (b) When a problem has only addition and subtraction, you work from _____ to _____.
- (c) If a problem has brackets, you must do the work inside the brackets _____.
- (d) The rule that tells us which operation to do first is called the rule of _____.

2. Write **TRUE** or **FALSE** for each statement.

- (a) In combined operations, addition is always done before subtraction. _____
- (b) Multiplication is done before addition. _____
- (c) Division is done before subtraction. _____
- (d) When there are brackets, you do the operations inside the brackets first. _____

3. Explain in your own words why we need to follow the rule of precedence when solving combined operations.

4. In the problem $6 + 4 \times 5$, a learner works as follows:

$6 + 4 = 10$, then $10 \times 5 = 50$

(a) Is the learner correct?

Answer: _____ (Yes/No)

(b) Explain what the learner did wrong.

(c) Work out the correct answer.

Answer: _____

5. Calculate the following:

(a) $15 + 6 \times 3$

Answer: _____

(b) $40 - 20 \div 5$

Answer: _____

(c) $12 \times 4 + 8$

Answer: _____

(d) $60 \div 3 \times 2$

Answer: _____

6. Mai Tino buys 3 bags of rice at \$12 each and also buys a packet of sugar for \$5.

(a) Write a number sentence to show this problem using combined operations.

Answer: _____

(b) Calculate the total amount Mai Tino spent.

Answer: \$ _____

(c) Show your working below.

7. A farmer in Chinhoyi has **48 tomatoes**. He gives away **12 tomatoes** and then shares the rest equally among **4 baskets**.

(a) Write a number sentence using brackets to show this problem.

Answer: _____

(b) Calculate how many tomatoes are in each basket.

Answer: _____ tomatoes

(c) Show your working below.

8. A shopkeeper in Mutare has **100 loaves of bread**. He sells **35 loaves** in the morning and **25 loaves** in the afternoon. Then he receives a delivery of **40 more loaves**.

(a) Write a number sentence to show this problem.

Answer: _____

(b) Calculate how many loaves he has at the end of the day.

Answer: _____ loaves

(c) Show your working below.

9. Two learners solve the same problem:

Problem: $20 + 5 \times 4 - 10$

- **Learner A's answer:** 30
- **Learner B's answer:** 90

(a) Work out the correct answer.

Answer: _____

(b) Which learner is correct?

Answer: Learner _____

(c) Justify your answer by showing your working.

10. Design a simple word problem about buying and selling at a market in Harare that involves **two operations** (e.g., multiplication and addition, or division and subtraction). Write the problem and then solve it.

Your problem:

Solution: