Diagnostic Assessment for Basic Addition and Subtraction Concepts

PLANIT TEACHERS

Student Name: _____	Class: _____
Student ID: _____	Date: _____

Assessment Details

Duration: 30 minutes	**Total Marks:** 50
Topics Covered:	• Basic Addition Concepts • Basic Subtraction Concepts

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Use the entire 30 minutes to complete the assessment.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.

Section A: Multiple Choice [10 marks]

Question 1 [1 mark]

What is the result of 2 + 2?

A) 3	B) 4
C) 5	D) 6

Question 2 [1 mark]

If I have 5 pencils and I give 2 to my friend, how many pencils do I have left?

A) 3	B) 5
C) 7	D) 10

Question 3 [1 mark]

What is the symbol for addition?

A) +	B) -
C) x	D) /

Question 4 [1 mark]

If I have 10 crayons and I add 2 more, how many crayons do I have now?

A) 10	B) 12
C) 15	D) 20

Question 5 [1 mark]

What is the result of 5 - 1?

A) 4

B) 5

C) 6

D) 7

Question 6 [2 marks]

If I have 12 pencils and I give 4 to my friend, how many pencils do I have left? Show your work.

Question 7 [2 marks]

A bookshelf has 15 books on it. If 3 more books are added, how many books are on the bookshelf now? Show your work.

Question 8 [2 marks]

If I have 18 crayons and I take away 2, how many crayons do I have left? Show your work.

Question 9 [2 marks]

A basket contains 20 apples. If 5 apples are taken out, how many apples are left in the basket? Show your work.

Question 10

[2 marks]

If I have 25 pennies and I give 10 to my sister, how many pennies do I have left? Show your work.

Activity 1: Number Line [10 marks]

Use the number line to help you solve the following problems:

Question 11   [5 marks]

If I start at 5 and move 3 numbers to the right, what number do I land on?

Question 12   [5 marks]

If I start at 10 and move 2 numbers to the left, what number do I land on?

Activity 2: Word Problems [10 marks]

Read the following word problems and solve them:

Question 13 [5 marks]

Tom has 12 pencils in his pencil case. He gives 4 to his friend. How many pencils does Tom have left?

Question 14 [5 marks]

Sarah has 15 crayons in her box. She adds 2 more crayons. How many crayons does Sarah have now?

Conclusion

This diagnostic assessment is designed to evaluate your understanding of basic addition and subtraction concepts. Remember to show your work and use correct math vocabulary and symbols.

The assessment will be marked as follows:

- Multiple-Choice Questions: 1 point for each correct answer
- Short-Answer Questions: 2 points for each correct answer with correct work shown, 1 point for each correct answer with incorrect work shown
- Activities: completion and accuracy of work

Please allow students 30 minutes to complete the assessment. Encourage students to use the entire 30 minutes to complete the assessment. Provide feedback and encouragement to build students' confidence in math.