1. Short-Answer response/Fill in the blanks Items

Subject	Math 1	
Grade	1	
Learning Outcome	Works with numbers 1 to 20.	

Question Stem	Fill in the missing numbers.
	
	   a) 10 , _____ , 12 , _____
	   b) _____ , 15 , 16 , _____
	   c) 7 , 8 , _____ , _____
	   d) _____ , _____ 19 , 20
	   e) 1 , _____ , _____ , 4	

Correct Answer		
Scorecard	5 marks	0.5 marks for each correct blank

2. Long-Answer response/Extended Response Items

Subject	MATHEMATICS 2
Grade	1

Learning Outcome	Works with numbers 1 to 20.

Question Stem	Q 1.Join the dots to complete the picture by counting from 1 to 20 and colour it.
	
	Q 2.Fill in the blanks :
	   a) what comes before 12 _____
	   b) What comes after 18 _____
	   c) What comes between 9 and 11 _____

Elements of Correct Answer	
Scorecard	**5 marks**	1 mark for joining the dots correctly 1 mark for colouring 1 mark for each blank.

3. Multiple Choice Items

Subject	Math
Grade	1

Learning Outcome	Compares number up to 20
Question Stem	Minki has 12 pencils. Sunny has 20 pencils and Rajat has 17 pencils. Who among them has more number of pencils?
Options	a) Minki
	b) Sunny
	c) Rajat
	d) All have same pencils.
Correct Answer	

4. True or False Items

Subject	Math
Grade	1
Learning Outcome	Works with numbers 1 to 20
Question Stem	The number that comes before 18 is 17.
Options	True
	False
Correct Answer	

Matching Items

Subject	Math		
Grade	1		
Learning Outcome	- Classifies objects into groups based on a few physical attributes such as shape, size and other observable properties including rolling and sliding - recites number names and counts objects up to 20, concretely, pictorially and symbolically.		
Directions	Match List A with List B		
Question Stem	Match the following numerals with their number names.		
Lists	Number names(List A)		Numerals(List B)
Input	a) Twelve		7
	b) Seven		20
	c) thirteen		12
	d) twenty		13
Correct Answer			
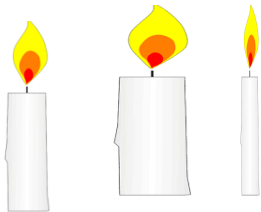
1. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
Learning Outcome	- Classifies objects into groups based on a few physical attributes such as shape, size and other observable properties including rolling and sliding - recites number names and counts objects up to 20, concretely, pictorially and symbolically	

Question Stem	Fill in the blanks using appropriate number names.	
	f) The rainbow has _____ colours. g) We have _____ sense organs. h) There are _____ lights in a traffic signal. i) We have _____ fingers.	
Correct Answer		
Scorecard	4 marks	1 mark for each correct answer

2. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
Learning Outcome	- Classifies objects into groups based on a few physical attributes such as shape, size and other observable properties including rolling and sliding

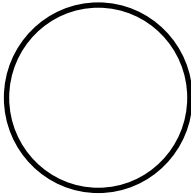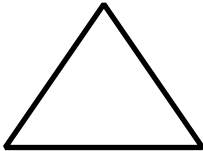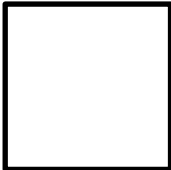|	
Question Stem	1. Colour the objects green that roll. 2.Colour the objects red that slide. 3.Circle the triangle shaped button. 4.Circle the thickest one.
Elements of Correct Answer	1. Carrot and battery cell 2. Gift box 3. Yellow button 4. The candle at the centre
Scorecard Scorecard	4 marks	1 mark for each correct answer

1. Multiple Choice Items

Subject	Maths
Grade	1
Learning Outcome	Students will be able to describe the physical features of various solids/shapes in their own language.
Question Stem	How many sides are there in a triangle?
Options	A. 6
	B. 4
	C. 3
	D. 5
Correct Answer	

2. True or False Items

Subject	Maths
Grade	1
Learning Outcome	Students will be able to describe the physical features of various solids/shapes in their own language
Question Stem	A circle has a corner.
Options	True
	False
Correct Answer	

3. Matching Items

Subject	Maths	
Grade	1	
Learning Outcome	Students will be able to describe the physical features of various solids/shapes in their own language	
Directions	Match the column A and column B.	
Question Stem	Match the shape and its name.	
Lists	Column A	Column B
Input	1.	a. Square
	2.	b. Circle
	3.	c. Triangle
	4.	d. Rectangle
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Maths	
Grade	1	
Learning Outcome	Students will be able to describe the physical features of various solids/shapes in their own language	
Question Stem	Guess my shape. 1. I have 4 sides and 4 corners . Each side is equal. What shape am I? 2. I have no sides and no corners. I am round in shape . What shape am I?	
Correct Answer		
Scorecard	1 mark	for Square
	1 mark	for Circle
	0 marks	● No response ● Completely different response

5. Long-Answer response/Extended Response Items

Subject	Maths
Grade	1
Learning Outcome	Students will be able to describe the physical features of various solids/shapes in their own language.
Question Stem	Mark ( ) the objects that roll / slide or both.

Mark (   )   the objects that roll / slide or both.

Object	Roll	Slide	Both(roll and slide)

Elements of Correct Answer	Ball – Roll Glass – Both Suitcase – Slide Cone- Both Book - slide

Scorecard	5 Marks	1 mark for each

1. Multiple Choice Items

Subject	Maths
Grade	1
Learning Outcome	Students will be able to estimate and measures short lengths using non-uniform units like a finger , handspan, length of a forearm ,footsteps etc.
Question Stem	Distance between the elbow and the tip of the middle finger is called a-
Options	A. Pace
	B. Finger
	C. Cubit
	D. Handspan
Correct Answer	t

2. True or False Items

Subject	Maths
Grade	1

Learning Outcome	Students will be able to estimate and measures short lengths using non-uniform units like a finger , handspan, length of a forearm ,footsteps etc.
Question Stem	A sharpener is 1 handspan long.
Options	True
	False
Correct Answer	

3. Matching Items

Subject	Maths	
Grade	1	
Learning Outcome	Students will be able to estimate and measures short lengths using non-uniform units like a finger , handspan, length of a forearm ,footsteps etc.	
Directions	Match the column A and column B.	
Question Stem	Match the objects with their non standard units for measurement.	
Lists	Column A	Column B
Input	 1.Eraser	a.Foot span
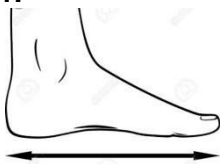
	2.Door-mat	b.finger
	3.Book	c.Cubit
	Bed sheet	d.Handspan
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

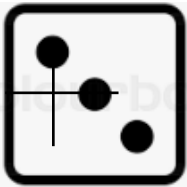| Subject	Maths
Grade	1
Learning Outcome	Students will be able to estimate and measures short lengths using non-uniform units like a finger , handspan, length of a forearm ,footsteps etc.
Question Stem	Choose the correct option: The name of the non standard unit which is used to measure a) length of the room.(pace/ fingers) b) your handkerchief (pace/ handspan)

Correct Answer		
Scorecard	2 marks	1 marks for each correct answer.
	0 mark	● No response ● Wrong answer

5. Long-Answer response/Extended Response Items

Subject	Maths
Grade	1
Learning Outcome	Students will be able to estimate and measures short lengths using non-uniform units like a finger , handspan, length of a forearm ,footsteps etc.
Question Stem	Write the correct name of the given non standard units. **1.**　　　　　**2.**　　　　　**3.** 　_____　_____　_____ **4.**　　　　　　　**5.** 　_____　_____

Elements of Correct Answer	1. Foot span 2. Hand span 3.Cubit 4.Finger 5.Pace	
Scorecard	**5 Marks**	1 mark for each

1. Multiple Choice Items

Subject	Mathematics
Grade	1
Learning Outcome	Constructs addition facts up to 9 using concrete objects.
Question Stem	 Which of the following addition facts represent the given picture?
Options	a) 3 + 6
	b) 4 + 2
	c) 5 + 3
	1. 5 + 2
Correct Answer	
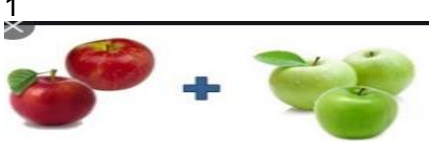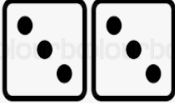
2. True or False Items

Subject	Mathematics
Grade	1
Learning Outcome	Constructs addition facts up to 9 using concrete objects
Question Stem	
Options	True
	False
Correct Answer	
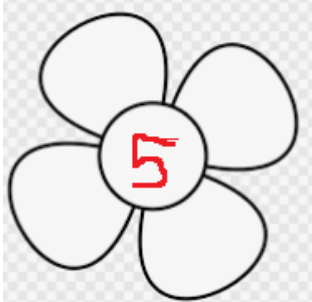
3. Matching Items

Subject	Mathematics	
Grade	1	
Learning Outcome	Constructs addition facts up to 9 using concrete objects	
Directions	Match the Column A with Column B	
Question Stem	Match the addition fact with the corresponding answer..	
Lists	List A	List B

Input	1	a 6
	2 3 + 5	b. 5
	3	c. 9
	4. 9 + 0	d. 8
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Mathematics	
Grade	1	
Learning Outcome	Constructs addition facts up to 9 using concrete objects	
Question Stem	This is a flower with four petals. Write any four combinations to get 5 as sum in each petal. 	
Correct Answer		
Scorecard	**Is the question 2-step?** **(Write: Yes/No)**	no

	1 marks (if 2-step question)	
	4 mark	1 mark for each petal with correct answer.
	0 marks	- No response - Completely off-target response - Incorrectly answered four ways (if q. Is 2-step)

5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS	
Grade	1	
Learning Outcome	Constructs addition facts up to 9 using concrete objects.	
Question Stem	Colour the clouds blue which represent 9 and colour the clouds pink which represent 7. 4 + 3 5 + 2 7 + 2 1 + 6 4 + 5	
Elements of Correct Answer	**4 + 3, 1+ 6 and 5 + 2 – pink** **7+2 and 4 + 5 – blue**	
Scorecard	**Scorecard for 5 marks**	1 mark for each correct answer
	0 marks	- No response - Completely off-target response - Incorrectly answered all steps (if q. Is 2-step)

1. Multiple Choice Items

Subject	Mathematics
Grade	1
Learning Outcome	Subtracts numbers up to 9.
Question Stem	⌣ ⌣ ⌣ ⌣ ⌣ ⌣ 6 - 2 = _____
Options	a) 2
	b) 4
	c) 5
	d) 6
Correct Answer	

2. True or False Items

Subject	Mathematics
Grade	1
Learning Outcome	Subtracts numbers up to 9
Question Stem	☆☆ ☆☆ ☆☆ ☆☆☆ ☆
	True

Options	False
Correct Answer	

3. Matching Items

Subject	Mathematics	
Grade	1	
Learning Outcome	Subtracts numbers up to 9	
Directions	Match the Column A with Column B	
Question Stem	Match the subtraction sentence with the corresponding answer.	
Lists	List A	List B
Input	1 8 – 6	a 3
	2 9 – 0	b. 4
	3 ☆☆☆☆☆	c. 2
	4. 3 less than 7	d. 9
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Mathematics

Grade	1
Learning Outcome	Subtracts numbers up to 9
Question Stem	Fill in the blanks. a) $7 - 2 = $ _____ b) $9 - 5 = $ _____ c) $7 \ -2 \ \boxed{} - 4$ (< , > or =)
Correct Answer	

Scorecard	**Is the question 2-step? (Write: Yes/No)**	
	1 marks (if 2-step question)	Yes
	1 mark	1 mark for each correct answer.
	0 marks	● No response ● Completely off-target response ● Incorrectly answered any part (if q. Is 2-step)

5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
Learning Outcome	Subtracts numbers up to 9
Question Stem	There were 9 oranges in a basket. 2 oranges were rotten. How many oranges were left?

Elements of Correct Answer	Total oranges – 9 Rotten oranges – 2 $\begin{array}{r} 9 \\ - \ \ 2 \\ \hline 7 \end{array}$ ------- **7 Oranges were left**	
Scorecard	**Scorecard for 2 marks**	1 mark for - Choosing correct operation 1 mark for - Correct calculation
	0 marks	● No response ● Completely off-target response ● Incorrectly answered all steps (if q. Is 2-step)

1. Multiple Choice Items

Subject	Mathematics
Grade	1
Learning Outcome	Applies addition and subtraction of numbers in daily life
Question Stem	8 toffees ☐ toffees = 11 toffees Choose the correct sign.
Options	a) <
	b) -
	c) +
	d) >
Correct Answer	

2. True or False Items

Subject	Mathematics
Grade	1
Learning Outcome	Applies addition and subtraction of numbers in daily life
Question Stem	6 +7 ☐ =) - 7
Options	True
	False
Correct Answer	

3. Matching Items

Subject	MATHEMATICS	
Grade	1	
Learning Outcome	Applies addition and subtraction of numbers in daily life.	
Directions	Match the Column A with Column B	
Question Stem	Match the addition and subtraction with the corresponding answer.	
Lists	List A	List B
Input	1. 6 + 7	a 12
	2. 12 - 0	b. 11
	3. 6 apples more than 2 apples	c. 7 + 6
	4. 15 - 4	d. 8
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Mathematics	
Grade	1	

Learning Outcome	Applies addition of numbers in daily life.	

Question Stem	Tiya has 3 balls.
	
	Her father gave her 2 balls the next day.
	
	Look at the picture and answer the following questions.
	    a) Does Tiya have more balls now.
	    b) The total number of balls with her now is _____	

Correct Answer		
Scorecard	**Is the question 2-step? (Write: Yes/No)**	
	1 marks (if 2-step question)	1mark for yes
	1 mark	1 mark for correct total (5)
	0 marks	● No response ● Completely off-target response ● Incorrectly answered both steps (if q. Is 2-step)

5. Short-Answer response

Subject	MATHEMATICS
Grade	1
Learning Outcome	Applies knowledge of subtraction in day to day life.
Question Stem	Rohan made a building with blocks. He needs 18 blocks in all but he has 14 blocks only. How many more blocks does he need to complete his building?

Elements of Correct Answer	**Total blocks needed = 18** **Number of blocks he has= 14** **Number of blocks needed = 18 – 14** 1 8 - 1 4 ――――― 1 4 ―――――

Scorecard	**Scorecard for 2 marks**	1 marks for - Choosing correct operation 1 mark for - Correct calculation
	0 marks	• No response • Completely off-target response • Incorrectly answered all steps (if q. Is 2-step)

1. Multiple Choice Items
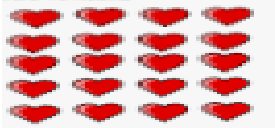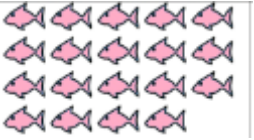
Subject	Mathematics
Grade	1
Learning Outcome	Recognizes numbers up to 99 and write numerals.
Question Stem	 English language has these many alphabets. Count the given blocks and choose the correct option.
Options	a) 24
	b) 25
	c) 26
	d) 27
Correct Answer	

2. True or False Items

Subject	Mathematics
Grade	1
Learning Outcome	Recognizes numbers up to 99 and write numerals.

Question Stem	The number just before 99 is 98
Options	True
	False
Correct Answer	

3. Matching Items

Subject	Mathematics
Grade	1
Learning Outcome	Recognizes numbers up to 99 and write numerals.
Directions	Match the Column A with Column B
Question Stem	Count the objects in List A and match with the corresponding answer in List B.
Lists	List A	List B
Input	1	a 19
	2	b. 16
	3	c. 36

		d. 20
	4.	
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Mathematics	
Grade	1	
Learning Outcome	Recognizes numbers up to 99 and write numerals.	
Question Stem	Complete the series. 79 _____ 81 _____ _____ 84.	
Correct Answer		
Scorecard	**Is the question 2-step? (Write: Yes/No)**	yes
	1 marks (if 2-step question)	
	3 marks	1 mark for each blank
	0 marks	● No response ● Completely off-target response ● Incorrectly answered any dash

5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
Learning Outcome	Recognizes numbers up to 99 and write numerals.
Question Stem	Colour the clouds which are greater than 80 56 85 76 81 99 97 69
Elements of Correct Answer	**99,81,97,85**

Scorecard	**Scorecard for 4 marks**	1 mark for each correct answer
	0 marks	● No response ● Completely off-target response ● Incorrectly answered all steps(if q. Is 2-step)
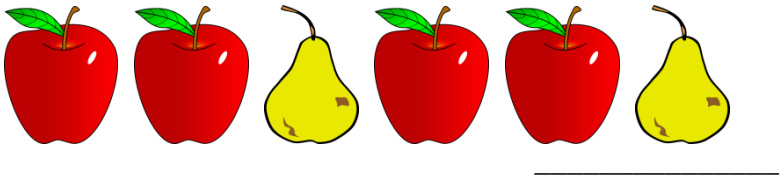
1. Multiple Choice Items

Subject	Math
Grade	1
LO Code	MO 107
Learning Outcome	Observe, extend and create patterns of shapes and numbers.
Question Stem	Which number will come next? Choose the correct option.
Options	A.
	B.
	C.
	D.
Correct Answer	
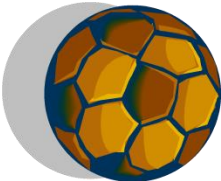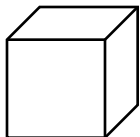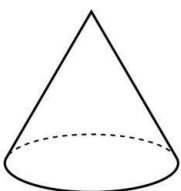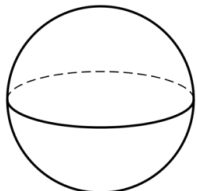
2. True or False Items

Subject	Math
Grade	1

LO Code	MO 107
Learning Outcome	Observe, extend and create patterns of shapes and numbers.
Question Stem	Is the following pattern correct?
Options	A. TRUE
	B. FALSE
Correct Answer	

3. Matching Items

Subject	Math	
Grade	1	
LO Code	MO 107	
Learning Outcome	Observe, extend and create patterns of shapes and numbers.	
Directions	Match the List A with List B	
Question Stem	Match the objects to their shape.	
Lists	List A	List B
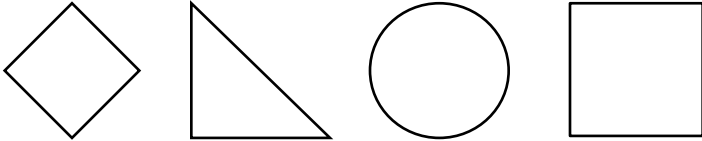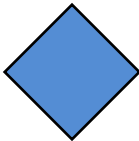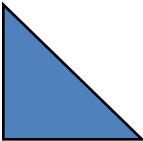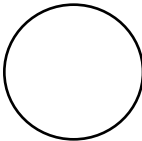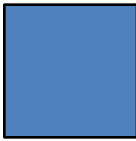
Input		
	A.	1.
	B.	2.
	C.	3.
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
LO Code	MO 107	
Learning Outcome	Observe, extend and create patterns of shapes and numbers.	
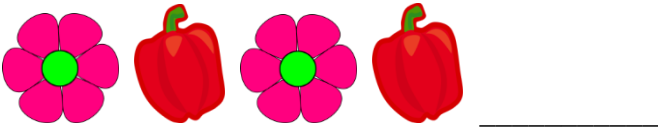
Question Stem	Fill the correct shape in the blanks. The windows of the house are _____.
Correct Answer	
Scorecard	**1 mark** For writing the correct shape
	0 mark For writing the incorrect shape, or not answering.

5. Long-Answer response/Extended Response Items

Subject	Math
Grade	1
LO Code	MO 107
Learning Outcome	Observe, extend and create patterns of shapes and numbers.
Question Stem	Color only the shapes that have straight lines.

Elements of Correct Answer		
Scorecard	**2 marks**	1 mark for recognizing the correct shapes with straight lines 1 mark for coloring
	1 mark	1 mark for only recognizing, but not coloring
	0 marks	0 marks for coloring wrong, or not coloring at all

1. Multiple Choice Items

Subject	Math
Grade	1
LO Code	MO 107
Learning Outcome	Observe, extend and create patterns of shapes and numbers.
Question Stem	Which object will come next in the series? Choose the correct option.
Options	A.
	A.
	B.
	D.
Correct Answer	

2. True or False Items

Subject	Math
Grade	1

LO Code	MO 107
Learning Outcome	Observe, extend and create patterns of shapes and numbers.
Question Stem	Is the following pattern true or false? 5 , 10 , 15 , <u>24</u> , 25
Options	A. TRUE
	B. FALSE
Correct Answer	

3. Matching Items

Subject	Math	
Grade	1	
LO Code	MO 107	
Learning Outcome	Observe, extend and create patterns of shapes and numbers.	
Directions	Match the List A with List B	
Question Stem	Match the shape patterns.	
Lists	List A	List B
Input	A.	1.
	B.	2.

	C.	3.
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
LO Code	MO 107	
Learning Outcome	Observe, extend and create patterns of shapes and numbers.	
Question Stem	Fill the blank with the correct shape name. _____ is the shape which has 3 sides. 	
Correct Answer		
Scorecard	**1 mark**	For writing the correct shape
	0 mark	For writing the incorrect shape, or not answering.

5. Long-Answer response/Extended Response Items

Subject	Math
Grade	1
LO Code	MO 107
Learning Outcome	Observe, extend and create patterns of shapes and numbers.
Question Stem	Identify the shapes of the following objects. (sphere,cuboid,cube,cone) _____ _____ _____ _____ _____
Elements of Correct Answer	_cone_ _sphere_ _cuboid_ _sphere_ _cuboid_

Scorecard	5 marks	1 mark each for each correct answer
	4 marks	If the answers are correct but spellings are wrong
	0 marks	If all the answers are wrong

1. Multiple Choice Items

Subject	Math
Grade	1
LO Code	MO108
Learning Outcome	Collect , record (using pictures/numerals) and interpret simple information by looking at visuals.
Question Stem	In this picture, there are 2 birds of the same color. Which color are those birds?
Options	A. RED
	B. BLUE
	C. GREEN
	D. PINK
Correct Answer	

2. True or False Items

Subject	Math
Grade	1
LO Code	MO108
Learning Outcome	Collect, record(using pictures/numerals) and interpret simple information by looking at visuals.
Question Stem	The boy has more balloons than the girl. True or false?
Options	A. TRUE
	B. FALSE
Correct Answer	

3. Matching Items

Subject	Math
Grade	1

LO Code	MO108
Learning Outcome	Collect, record(using pictures/numerals) and interpret simple information by looking at visuals.
Directions	Match the List A with List B
Question Stem	Match List A with List B

Lists	List A		List B
Input	C.		1. **4**
	D.		2. **2**
	C.		3. **3**
Correct Answer			
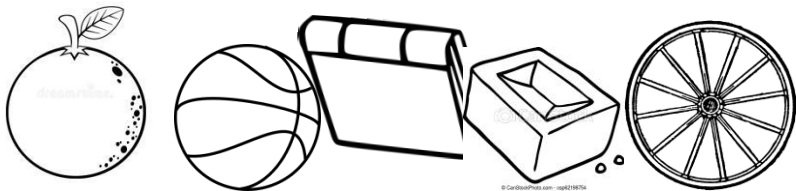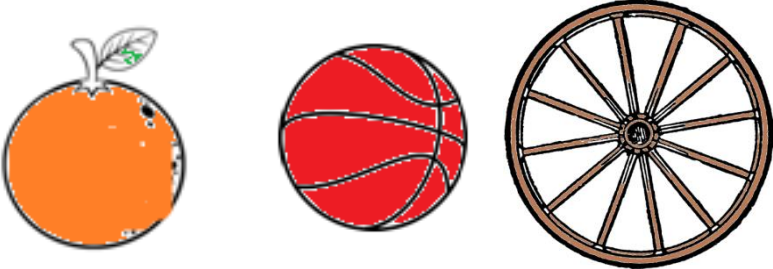
4. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
LO Code	MO108	
Learning Outcome	Collect, record(using pictures/numerals) and interpret simple information by looking at visuals.	

Question Stem	Fill in the blank. There are ___flowers of yellow color and ____flowers of red color.
Correct Answer	

Scorecard	**1 mark**	1 mark for first blenk
	1 mark	1 mark for the second blank.
	0 marks	For wrong color

5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
LO Code	MO108
Learning Outcome	Collect, record (using pictures/numerals) and interpret simple information by looking at visuals.

Question Stem	Color the object that can ROLL on a surface.
Elements of Correct Answer	

	3 marks	
Scorecard		3 marks for coloring the correct object
	0 marks	For identifying incorrectly or coloring the wrong object

1. Multiple Choice Items

Subject	Math
Grade	1
LO Code	MO108
Learning Outcome	Collect, record (using pictures/numerals) and interpret simple information by looking at visuals.
Question Stem	How many total fruits are there in this basket?
Options	A. 5
	B. 6
	C. 4
	D. 7
Correct Answer	

2. True or False Items

Subject	Math
Grade	1

LO Code	MO108
Learning Outcome	Collect, record (using pictures/numerals) and interpret simple information by looking at visuals.
Question Stem	There are 3 crayons of red color. True or false?
Options	A. TRUE
	B. FALSE
Correct Answer	

3. Matching Items

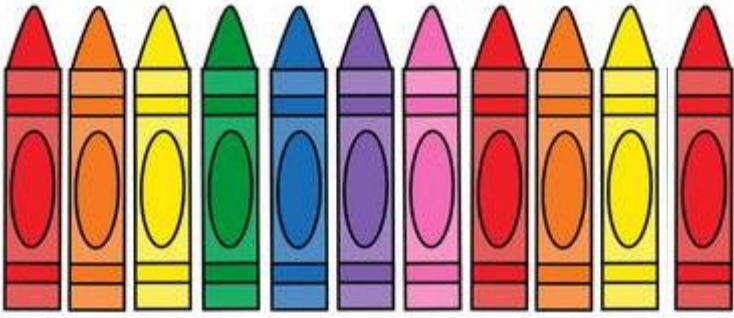| Subject	Math	
Grade	1	
LO Code	MO108	
Learning Outcome	Collect, record (using pictures/numerals) and interpret simple information by looking at visuals.	
Directions	Match the List A with List B	
Question Stem	Match the number of objects to the correct count.	
Lists	List A	List B

Input	A.	1. **TWO**
	B.	2. **THREE**
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
LO Code	MO108	
Learning Outcome	Collect, record (using pictures/numerals) and interpret simple information by looking at visuals.	
Question Stem	Fill in the blank. # 12,14,_,18,20	
Correct Answer		
Scorecard	**1 mark**	For correct answer
	0 marks	For wrong answer
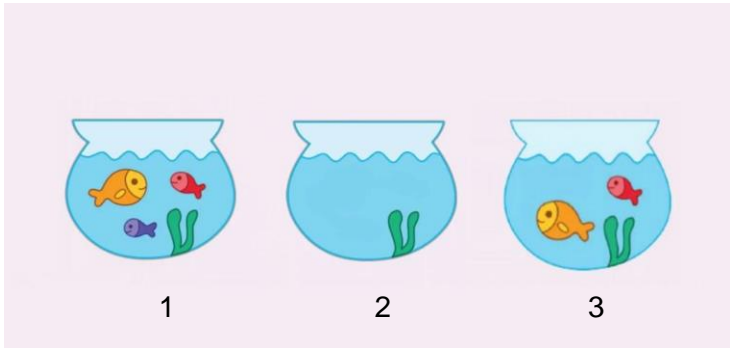
5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
LO Code	MO108
Learning Outcome	Collect, record(using pictures/numerals) and interpret simple information by looking at visuals.
Question Stem	Answer the questions based on the following picture. A. How many toys are there in the brown cupboard? B. How many toys are on the floor mat? C. How many toys are on the blue cupboard? D. What color is the mat? E. What color is the duck?
Elements of Correct Answer	**A. 7** **B. 5** **C. 2** **D. Green** **E. Yellow**

Scorecard	**5 marks**	1 mark each for every correct answer
	3 marks	If the answers are correct but the spelling is wrong

	0 marks	If all the answers are incorrect

1. Multiple Choice Items

Subject	Math
Grade	1
LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Question Stem	How many fish does bowl no. 2 have?
Options	A. Two
	B. Four
	C. Zero
	D. Five
Correct Answer	

2. True or False Items

Subject	Math
Grade	1

LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Question Stem	Is the following statement true or false?
Options	A. TRUE
	B. FALSE
Correct Answer	

3. Matching Items

Subject	Math
Grade	1
LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Directions	Match the List A with List B
Question Stem	Match the number of apples given on the trees.
Lists	List A	List B

.Input		
	A.	1.
	B.	2.
	C.	3.
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
LO Code	MO 109	
Learning Outcome	Infer the application of zero in different mathematical situations.	
Question Stem	Fill in the blanks. **3 - ____ = 3**	

Correct Answer		
Scorecard	1 Mark	1 mark for correct calculation
	0 Marks	0 marks if the sign and the concept of zero is not applied.

5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Question Stem	A balloon seller had 3 balloons. He didn't sell any balloons. Draw the number of balloons left.

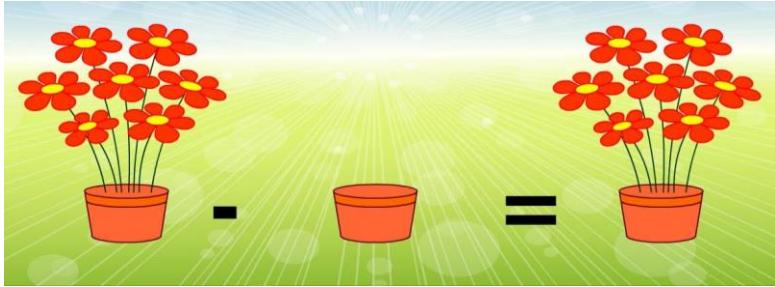| Elements of Correct Answer	3 balloons	
Scorecard	**2 marks**	1 mark for the correct number of balloons 1 mark for drawing the balloons
	1 mark	Only 1 mark if the child hasn't drawn the balloons, only written answer.
	0 marks	If the calculation is wrong and hasn't drawn any balloon.

1. Multiple Choice Items

Subject	Math
Grade	1
LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Question Stem	There were two birds in a cage. Both of them flew away. How many birds are left in the cage?
Options	A. 2
	B. 1
	C. 0
	D. 6
Correct Answer	

2. True or False Items

Subject	Math
Grade	1
LO Code	MO 109

Learning Outcome	Infer the application of zero in different mathematical situations.
Question Stem	There were 7 flowers in a pot. Zero flowers were cut. 7 flowers are left in the pot. True or false?
Options	A. TRUE
	B. FALSE
Correct Answer	

3. Matching Items

Subject	Math
Grade	1
LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Directions	Match the List A with List B
Question Stem	Match the following
Lists	List A	List B
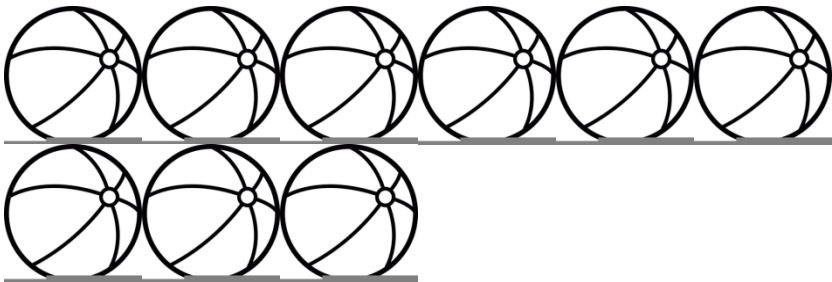
Input		
	A. =	1.
	B. =	2.
	C. =	3.
	D. =	4.
Correct Answer		

4. Short-Answer response/Fill in the blanks Items

Subject	Math	
Grade	1	
LO Code	MO 109	
Learning Outcome	Infer the application of zero in different mathematical situations.	
Question Stem	Fill in the blanks. **7 + 0 = _____**	
Correct Answer		
	1 Mark	1 mark for correct calculation

Scorecard	0 Marks	0 marks if the sign is not identified correctly or the calculation is wrong.

5. Long-Answer response/Extended Response Items

Subject	MATHEMATICS
Grade	1
LO Code	MO 109
Learning Outcome	Infer the application of zero in different mathematical situations.
Question Stem	A kid had no ball. Father gave him 6 balls. Color the number of balls he has now.
Elements of Correct Answer	

	2 marks	If the student counts correctly and colors 6 balls
Scorecard	0 marks	If the student colors incorrect number of balls.

1. Multiple Choice Items
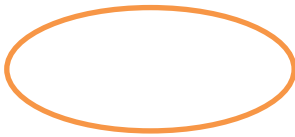
Subject	Mathematics
Grade	I
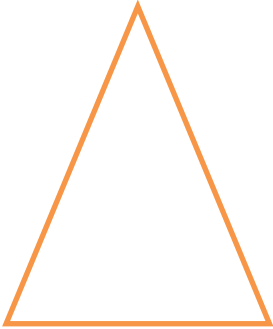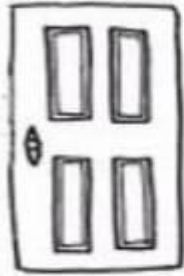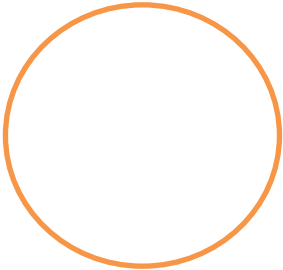
Learning Outcome MO101	To identify the objects that can roll, slide or both.
Question Stem	What will happen to the following picture :
Options	a. Roll
	b. Slide
	c. Roll and slide both
	d. Will neither roll nor slide
Correct Answer	

2. True or False Items

Subject	Mathematics
Grade	I
Learning Outcome MO101	To be able to identify features of the shapes.
Question Stem	All the sides of a square are equal.
Options	True
	False
Correct Answer	
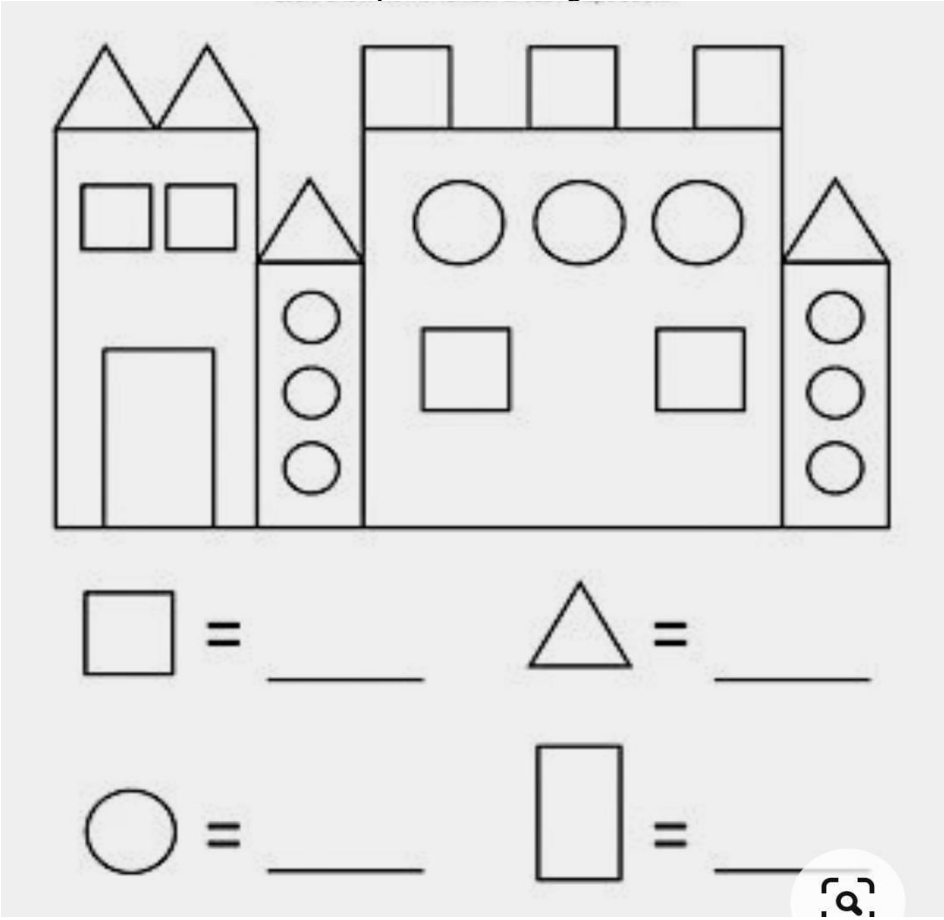
3. Match the following:

Subject	Mathematics
Grade	I
Learning Outcome MO101	To be able to match the objects with their shapes.
Directions	Matching of daily objects with their original shapes.
Question Stem	Match the following things with their shapes by drawing a line
Lists	List A	List B
Input	1.	a)
	2.	b)
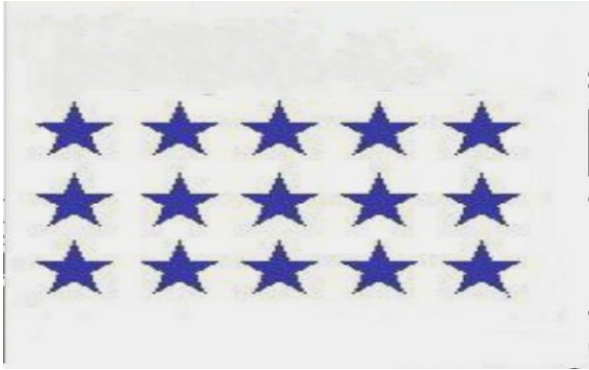
	3.	c)
	4.	d)
Correct Answer		

4. Long-Answer response/Extended Response Items (1- 5 marks)

Subject	Mathematics
Grade	I
Learning Outcomes MO101	To count the number of shapes in the image.

Question stem	Count and write different shapes for the images.
Correct Answer	

Scorecard	**Scorecard for 4 marks**	Counting all 4 shapes correctly.
	0 marks	- No response - Completely off –target response - Incorrectly answered both steps (if q. is 2-step)
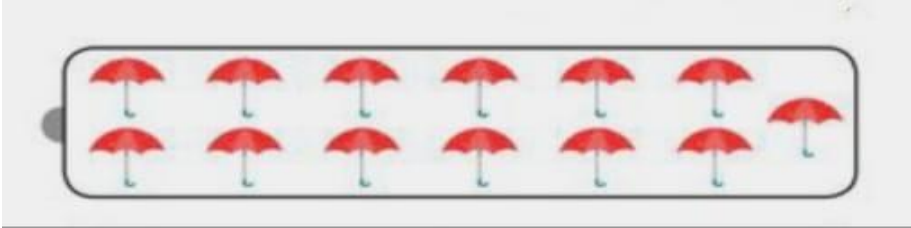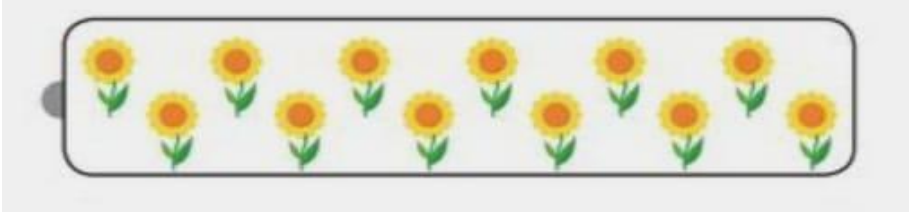
1. Multiple Choice Items

Subject	Mathematics
Grade	I
Learning Outcome MO102	To be able to count the number of objects.
Question Stem	Count the number of stars.
Options	a. 17
	b. 16
	c. 15
	d. 14
Correct Answer	

2. Match the following:

Subject	Mathematics
Grade	I
Learning Outcome MO102	To be able to count and match with the correct numbers.

Directions	Count the numbers and match.	
Question Stem	Count the number of pictures and match with the numbers by drawing a line.	
Lists	List A	List B
Input	1.	a) 12
	2.	b) 17
	3.	c) 20
	4.	d) 13
Correct Answer		

3. Short-Answer response/Fill in the blanks Items (1-2 marks)

Subject	Mathematics

Grade	I
Learning Outcome MO102	To be able to identify the bigger and smaller number.
Question Stem	Count and compare the following (>,<,=) Flowers_____ Triangles
Correct Answer	

	Is the question 2-step? (Write: Yes/No)	Yes
	2 marks **(if 2-step question)**	Correctly answers both steps
Scorecard	**1 mark**	Correctly answers 1-step
	0 marks	• No response • Completely off –target response • Incorrectly answered both steps (if q. is 2-step)
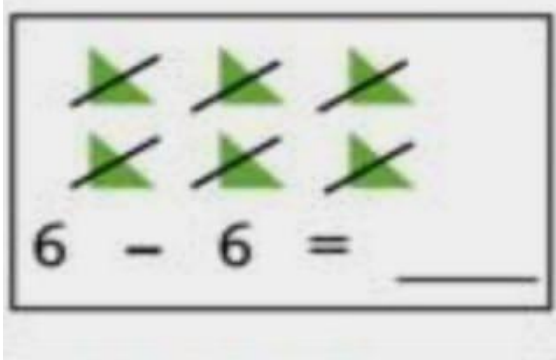
1. Multiple Choice Items

Subject	Mathematics
Grade	I
Learning Outcome MO103	To be able to subtract numbers up to 20
Question Stem	Write the correct subtraction sentence for the following picture :
Options	a. $10 - 4 = 6$
	b. $12 - 4 = 6$
	c. $8 - 6 = 2$
	d. $12 - 6 = 6$
Correct Answer	
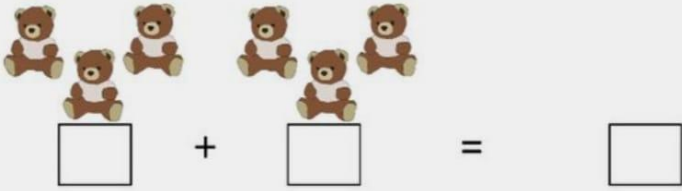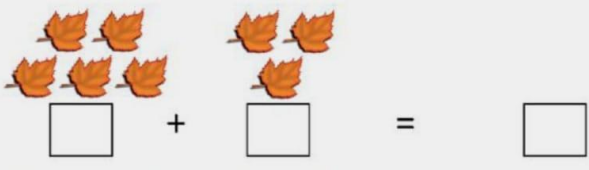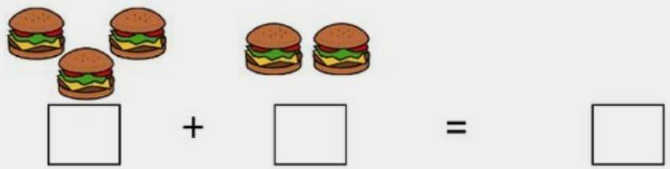
2. True or False Items

Subject	Mathematics
Grade	I
Learning Outcome MO103	To be able to subtract numbers up to 10.

Question Stem	Write true or False
	The answer for the given image is 0 .
Options	True
	False
Correct Answer	

3. Match the following:

Subject	Mathematics	
Grade	I	
Learning Outcome MO103	To be able to add numbers upto 10.	
Directions	Count and match with correct addition sentence.	
Question Stem	Count and match List A with List B by drawing a line-	
Lists	List A	List B

Input	1.	a) $5 + 3 = 8$
	2.	b) $3 + 2 = 5$
	3.	c) $6 + 3 = 9$
	4.	d) $3 + 3 = 6$
Correct Answer		

4. Short-Answer response/Fill in the blanks Items (1-2 marks)

Subject	Mathematics
Grade	I
Learning Outcome M0103	To be able to solve addition word problems of day-to-day life.

Question Stem	There are 7 mangoes in the basket. Dad brought 6 more. How many mangoes are there in all?
Correct Answer	

Scorecard	**Is the question 2-step? (Write: Yes/No)**	No 1 To add numbers correctly.
	2 marks (if 2-step question)	NA
	1 mark	Correctly answers 1-step
	0 marks	● No response ● Completely off –target response ● Incorrectly answered both steps (if q. is 2-step)

1. Multiple Choice Items

Subject	Mathematics
Grade	1
Learning Outcome MO104	To make the students understand the concept of numbers upto 99
Question Stem	Count the numbers of pencil and choose the correct option.
Options	(a) 6
	(b) 33
	(c) 35
	(d) 7
Correct Answer	
Possible errors or misconceptions	Students usually start counting and do counting error. They can skip the concept of tens.

2. True or False Items

Subject	Mathematics
Grade	1
Learning Outcome MO104	To make the students understand the concept of bigger and smaller number.
Question Stem	86 is bigger than 95.
	True
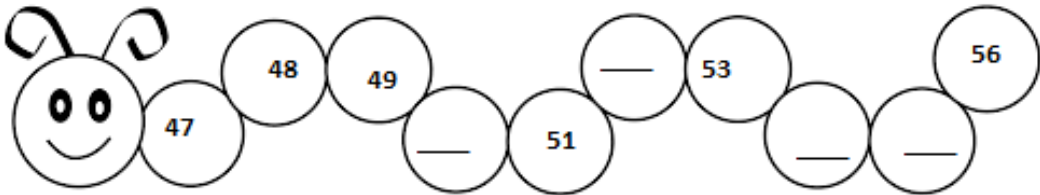
Options	False
Correct Answer	

3. Match the following:

Subject	Mathematics	
Grade	1	
Learning Outcome MO104	To make the students understand the concept of numbers up to 99	
Directions		
Question Stem	Match the following by drawing a line:	
Lists	List A	List B
Input	1. 50 + 4	a) 60
	2. Before 87	b) 54
	3. Seventy nine	c) 86
	4. After 59	d) 79
Correct Answer		

4. Short-Answer response/Fill in the blanks Items (1-2 marks)

Subject	Mathematics
Grade	1

Learning Outcome MO104	To make the students understand the sequence of counting.
Question Stem	Fill in the missing numbers.
Correct Answer	

Scorecard	**Is the question 2-step? (Write: Yes/No)**	
	2 marks (if 2-step question)	½ mark for each answer
	1 mark	Correctly answers 1-step
	0 marks	- No response - Completely off –target response

5. Long-Answer response/Extended Response Items (1- 5 marks)

Subject	Mathematics
Grade	1
Learning Outcomes MO104	To make the students understand the concept of numbers up to 99

Question stem	Read the picture carefully and count the given objects.
	(a) Apples - _____ (c) Birds - _____ (b) Tomatoes - _____ (d) Pumpkins - _____

Correct Answer	

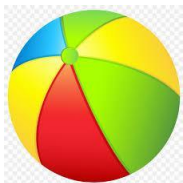| Scorecard	**Scorecard for 4 marks**	1 mark for each object.
	0 marks	● No response ● Completely off –target response ● Incorrectly answered both steps (if q. is 2-step)

1. Multiple Choice Items

Subject	Mathematics
Grade	1
Learning Outcome MO105	To make the students recognize the shapes.
Question Stem	What is the shape of a cake?
Options	A. circle
	B. oval
	C. cylinder
	D. rectangle
Correct Answer	
Possible errors or misconceptions	Students get confused in flat shapes and solid shapes

2. True or False Items

Subject	Mathematics
Grade	1
Learning Outcome MO105	Students will be able to know the physical features of the shapes.
Question Stem	Opposite sides of the rectangle are equal.
	True

Options	False
Correct Answer	

3. Match the following:

Subject	Mathematics	
Grade	1	
Learning Outcome MO105	Students will be able to recognize the solid shapes	
Directions		
Question Stem	Match the following objects with their solid shapes by drawing a line.	
Lists	List A	List B
Input	1.	a) cuboid
	2.	b) sphere
	3.	c) cube

		d) cone
	4.	
Correct Answer		

4. Short-Answer response/Fill in the blanks Items (1-2 marks)
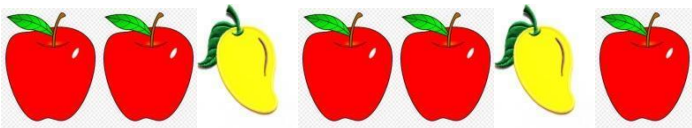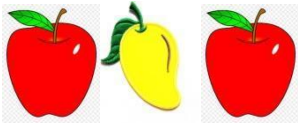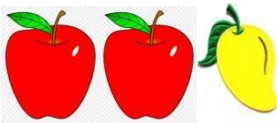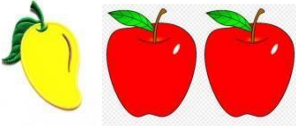
Subject	Mathematics	
Grade	1	
Learning Outcome MO105	Students will be able to know the physical features of the shapes.	
Question Stem	Triangle has _____ sides and _____ corners.	
Correct Answer		
Scorecard	**Is the question 2-step? (Write: Yes/No)**	
	2 marks (if 2-step question)	Correctly answers both steps
	1 mark	Correctly answers 1-step
	0 marks	● No response ● Completely off –target response ● Incorrectly answered both steps (if q.is 2step)

5. Long-Answer response/Extended Response Items (1- 5 marks)

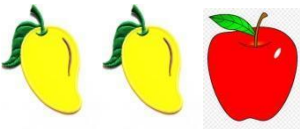| Subject	Mathematics
Subject	Mathematics

Grade	1
Learning Outcomes MO105	Students will be able to know the physical features of the shapes.
Question stem	Draw and write two sentences about a 'Square'.
Correct Answer	

Scorecard	**Scorecard for 3 marks**	1 mark for drawing the correct shape. 1 mark for each sentence.
	0 marks	- No response - Completely off –target response - Incorrectly answered both steps (if q. is 2-step)

1. Multiple Choice Items

Subject	Mathematics
Grade	1
Learning Outcome MO107	Students will be able to extend the pattern
Question Stem	Continue the pattern:
Options	(a)
	(b)
	(c)
	(d)
Correct Answer	

2. True or False Items

Subject	Mathematics
Grade	1

Learning Outcome MO107	Students will know how to extend a pattern
Question Stem	2 , 4 , 6 , 8 , ___ The next number will be 14
Options	True
	False
Correct Answer	

3. Match the following:

Subject	Mathematics	
Grade	1	
Learning Outcome MO107	Students will know how to extend a pattern	
Directions		
Question Stem	Match the following patterns of List A with List B by drawing a line.	
Lists	List A	List B
Input	1. AB , CD , EF ,	a) Dd
	2. Ab , Bb , Cc ,	b) GH
	3. AA , BB , CC ,	c) JKL
	4. ABC , DEF , GHI ,	d) DD
Correct Answer	1.	

4. Short-Answer response/Fill in the blanks Items (1-2 marks)

Subject	Mathematics
Grade	1
Learning Outcome MO107	Students will be able to extend a pattern
Question Stem	Find the missing numbers in the given pattern:
Correct Answer	

Scorecard	Is the question 2-step? (Write: Yes/No)	<Yes >
	2 marks (if 2-step question)	Correctly answers both steps
	1 mark	Correctly answers 1-step
	0 marks	- No response - Completely off –target response - Incorrectly answered both steps (if q. is 2-step)

5. Long-Answer response/Extended Response Items (1- 5 marks)

Subject	Mathematics
Grade	1
Learning Outcomes MO107	Students will be able to create their own patterns

Question stem	Create any pattern of your choice using △ ◯ ▢ shapes.
	_____ , _____ , _____ , _____ , _____ , _____ , _____ ,_____

Correct Answer	

	Scorecard for 2 marks	2 mark for creating pattern ½ mark for each blank.
Scorecard	**0 marks**	• No response • Completely off –target response • Incorrectly answered both steps (if q. is 2-step)