

ACTIVITY - I

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Plan and construct an achievement test in one of the methodology Subject.

Achievement Test :-

It is a test which is used to know the attainments (or) accomplishments of an individual (or) accomplishments of an individual in a particular Subject/field after a period of instruction is called an achievement Test.

Importance of Achievement Test :-

1. It allows for data to be collected about student achievement and learning.
2. It is very helpful to the inform Educator — curriculum planners and the state officials.
3. Research has also shown that standardized — testing has a high effect on student achievement.
4. The test is non-discriminating and conducted to all the students in the class.

part-B

I am P. Sravani Studying B.Ed 2nd year in R.V.R.R college of Education. As a part of the internship programme I went to S.C.M.P.M.C, high school in Sthambalguru. I taught them Mathematics and English to the 6th class students. As a part of the activities in Learning Assessment I prepared an achievement test in Mathematics.

Construction of Achievement Test in mathematics:-

TO prepare the achievement Test I:

Prepared weightage tables.

@ Weightage to academic standards:

S.NO	Academic Standards	Marks Alloted	% of Marks
1.	problem Solving	12	60
2.	Reasoning and proof	2	10
3.	Communication	3 1/2	17.5
4.	connection	1	5
5.	Visualization & Representation	1 1/2	7.5
Total		20	100%

b) Weightage of Question type:

S.NO	Type of Question	Unit mark	No: of questions	Marks Allotted	percentage
1.	Objective Answer (OA)	0.5	6	3	15%
2.	Very short Answer (VSA)	1	3	3	15%
3.	Short Answer (SA)	2	3	6	30%
4.	Essay Answer (EA)	4	2	8	45%
Total :			14	20	100%

Basing on the above weightage table I prepared "Blue print".

To prepare question paper I selected the topics "Perimeter, Ratio and proportion".

S.NO	Academic standard	Objective Q(M)	V-S-A Q(M)	S-A Q(M)	E-A Q(M)	Total Q(M)	%
1.	Problem solving			2(2)	2(4)	12	60%
2.	Reasoning & proof	2(1/2)	1(1)			2	10%
3.	communication	3(1/2)		1(2)		3 1/2	17.5%
4.	connection		1(1)			1	5%
5.	visualization	1(1/2)	1(1)			1 1/2	7.5%
total		6(1/2)	3(1)	2(1)	2(4)	20	100%

Question paper

I. Choose the correct Answer:

$$6 \times 1/2 = 3M$$

1. What is the perimeter of a square? ()
a, $3s$ b, $4s$ c, s d, $7s$.
2. What is the Area of a square? ()
a, $s \times s$ b, $l \times s$ c, $s \times b$ d, $h \times s$.
3. The amount of a surface enclosed by a closed figure is called it's _____. ()
a, perimeter b, Area c, length d, Diameter.
4. The ratio of two quantities a & b can be given by ()
a, $\frac{a}{b}$ b, a is to b c, a by d d, $a : b$.
5. Equality of ratios is called _____. ()
a, Ratio b, proportion c, Ratio & proportion d, Equal & ratios.
6. Perimeter of a Rectangle _____. ()
a) $2(l+b)$ b, $2(l \times b)$ c, $2 + (l+b)$ d, $2l+b$.

$$3 \times 1 = 3M$$

II. Answer the following questions:

1. What is the amount of surface enclosed by a closed figure?
2. What will happen to the area of a square if it's side is :
i, doubled ii, halved.

3. Write 16:20 in the simplest form?

III. Answer the following Questions:

$$3 \times 2 = 6M$$

1. Rafi has 16 red marbles and 4 blue marbles. Find the ratio of red marbles to blue marbles Rafi has?

2. Define proportion?

3. Find the Area of a square with side 26cm?

IV. Answer the following Questions:

$$2 \times 4 = 8M$$

1. The perimeter of a rectangle and a square are same. If the length and breadth of the rectangle are 35cm and 25cm respectively. Find which figure has greater and by how much?

2. If the cost of 6 bottle of juice is Rs. 210/- then what is the cost of 4 bottles of juice?

Conclusion:-

By this activity I learned how to prepare an achievement test.