

LESSON PLAN 5

School	: SMP N 1 Kalasan
Subject	: Mathematics
Grade/ Semester	: VII / 2 (Even Semester)
Topics	: Quadrilaterals (<i>Post-test</i>)
Time Allocation	: 2 × 40 minutes

A. Standard of competence

6. Understanding the concept of quadrilaterals and triangle, thus determine its size.

B. Basic Competence

- 6.2 Identifying the properties of rectangle, square, trapezoid, parallelogram, rhombus and kite.

- 6.3 Calculating the perimeter and the area of quadrilaterals then use in problem solving.

C. Indicators

1. Doing the *post-test*.

D. Learning Objectives

1. The students are able to do the *post-test*.

E. Learning Content

<i>Trapezoid</i>	1. The definition of trapezoid 2. The properties of trapezoid 3. The perimeter of trapezoid 4. The area of trapezoid
<i>Parallelogram</i>	1. The definition of parallelogram 2. The properties of parallelogram 3. The perimeter of parallelogram 4. The area of parallelogram
<i>Rectangle</i>	1. The definition of rectangle 2. The properties of rectangle 3. The perimeter of rectangle 4. The area of rectangle
<i>Rhombus</i>	1. The definition of rhombus 2. The properties of rhombus

	3. The perimeter of rhombus 4. The area of rhombus
Square	1. The definition of square 2. The properties of square 3. The perimeter of square 4. The area of square
Kite	1. The definition of kite 2. The properties of kite 3. The perimeter of kite 4. The area of kite

F. Learning Scenario

Activities	Allocation
❖ Pre-teaching 1. Teacher greets the students and checks the readiness of students to do <i>post-test</i> . 2. Teacher leads the students to pray together before doing the <i>post-test</i> .	10 minutes
❖ Main Activities 1. Teacher distributes the <i>post-test</i> sheets that consist of five problems. 2. 50 minutes available to finish the test.	60 minutes
❖ Closing 1. The students gather the <i>post-test</i> answer	10 minutes

G. Learning Medias

Medias : *post-test* sheets

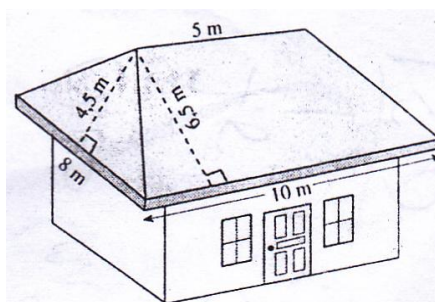
H. Assessment

- The technical of assessment
 - ❖ Written assessment
- The form of assessment
 - ❖ Post-test

3. Instrument

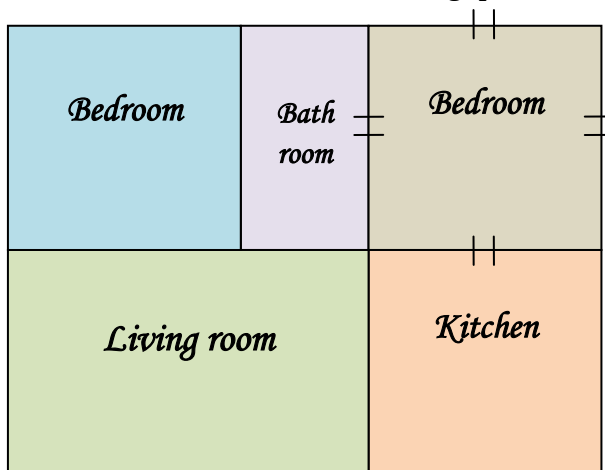
Do the exercises below!

1. A park in a shape of square has length 16 meter. Around of the park is to be planted by akasia with the first trees were planted in a corner of park and the distance between trees are 2 m. How many trees are planted?
2. Perhatikan gambar di bawah ini!



Gambar di atas menunjukkan bentuk sebuah rumah dengan atap yang terdiri dari sepasang trapesium sama kaki dan sepasang segitiga sama kaki. Jika tiap meter persegi atap membutuhkan 20 buah genteng, berapa banyak genteng yang diperlukan?

3. Azka draws a sketch of house using planes like the following figure.



Mention the properties of planes which is used to draw bedroom and living room on that sketch of house!

4. Suatu hiasan yang terdapat di dalam istana terbuat dari lempengan emas murni berbentuk belah ketupat yang panjang sisi-sisinya 25 cm dan panjang salah satu diagonalnya 40 cm.
- Berapakah berat satu hiasan tersebut bila luas 1 cm^2 lempengan emas murni beratnya 1,5 gram?
 - Bila harga 1 gram emas murni adalah Rp600.000,00, berapa biaya yang diperlukan untuk membuat hiasan tersebut apabila setiap ruangan di dalam istana diberi 4 hiasan dan di istana tersebut terdapat 50 ruangan?
5. Alif sells her own-made kite by the size:

Diagonal 1 = 24 cm

Diagonal 2 = 30 cm

The price of a paper with size $1.5 \text{ m} \times 1.5 \text{ m}$ is Rp33,750.00.

- If Alif wants to make 250 kites, what is the area of the paper required (in meter square)?
- What is the total cost of paper needed to make 250 kites?

4. Evaluation principle

The *pos-test* contains 5 questions. Every question have different score and maximal score is 100.

$$\text{Score} = \frac{\text{Student score}}{\text{Maximal score}} \times 100$$

5. Assessment criteria

- Students are considered successfully if they received a value ≥ 75
- Learning is considered successfully if 80% of students scored ≥ 75

Approved by:
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Yogyakarta, March 7th 2012
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