

STUDENT WORKSHEET

In Primary school, you have learned about kind of plane such as square, rectangle, parallelogram, diamond, kite, and trapezoid. And now you will learn about trapezoid intensively.

“WAJIK CAKE”

Once upon a time, Ibul get Wajik Cake from his mother. The form of *Wajik Cake* can be seen at figure 1. Since Ibul have a sister, Dewi, their mother asks Ibul to share the Wajik Cake into two the same parts.

Problem 1:

How does Ibul cut the Wajik Cake so that Ibul and Dewi get the same part ? Explain your answer by drawing !

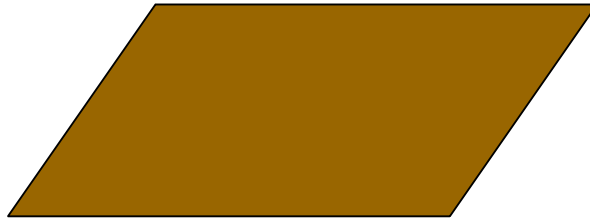
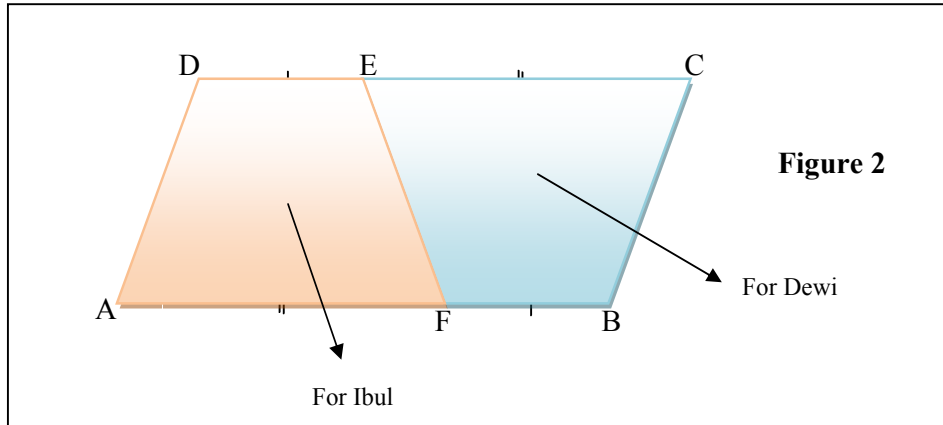


Figure 1

Answer :

Problem 2:

Look at the division sketch of wajik cake in the following figure !



✚ In your opinion, is the division fair? Explain your answer !

Answer :

- ✚ Base on material of parallelogram area that you had learned, can you make the formula of the parallelogram area using the symbol ?
- ✚ How about the comparison between trapezoid area and parallelogram area?
- ✚ On your own words, make the formula for trapezoid area !

Answer :

Problem 3

Mr Ridho have an area of land formed trapezoid (Figure 3). He wants to plant banana trees there. The distance of each tree is 1m. How many banana trees can be planted there ?

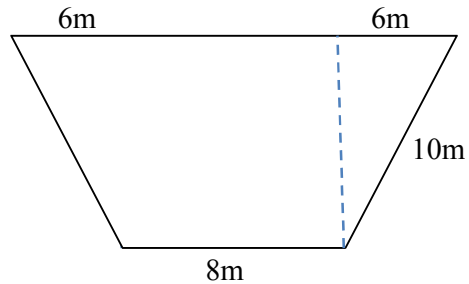


Figure 3

Answer :

Problem 4

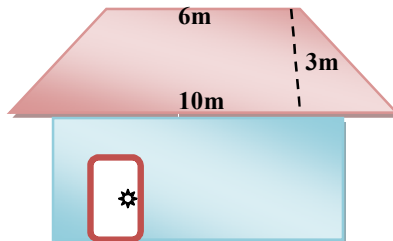


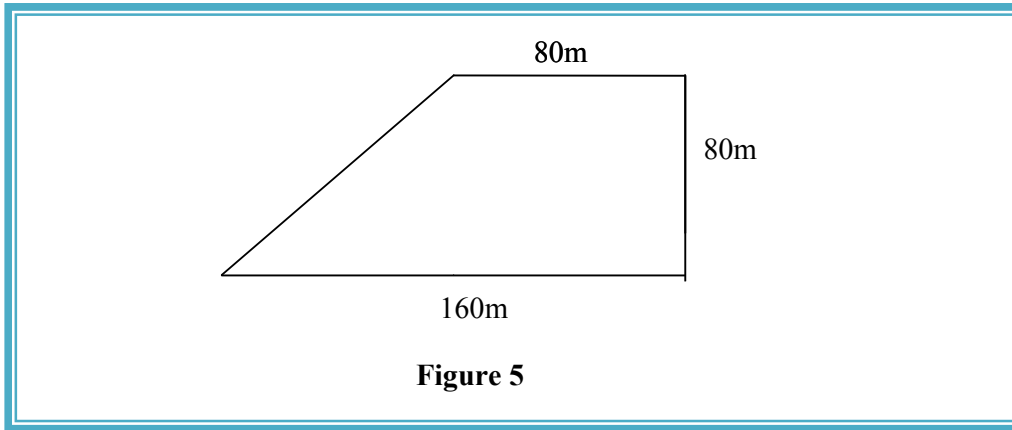
Figure 4

Mr Iman wants to replace his roof formed trapezoid, as can be seen at figure 4. Mr Iman buys the roofs, which has 20cm x 20cm. How many roofs does he need to replace all of him roof ?

Answer :

Problem 5

Mr Lutfi have an area of land like the below figure. The land will be given to 4 of his children. Each child get part of land which has similar area and shape. How does you divide the land and determine the area of each !



Answer :