

$3 \times 1 = 3$ verges, la surface d'un rectangle *semblable* au rectangle donné. Soient x la longueur et y la largeur du rectangle donné.

Le principe mentionné ci-dessus nous donne les deux équations suivantes :

$$\frac{x^2}{3^2} = \frac{36300}{9} \dots\dots (1) \quad \frac{y^2}{1^2} = \frac{36300}{3} \dots\dots (2)$$

Multipliant (1) par 9, on a :

$$x^2 = 108900$$

d'où $x = 330$, la longueur

Divisant le 2^e membre de (2) par 3, on a :

$$y^2 = 12100$$

$y = 110$, la largeur.

LANGUE ANGLAISE

Dictation and Composition

A FAITHFUL DOG

A Scotchwoman called Jenny, whose home was at Hawkshead, in Cumberland, used to leave her child alone at home, while she went to the towns and villages round about, selling small articles as a pedlar. She had a dog, which was very fond of the child, and used to lie with it in the cradle.

The child was taken ill and died. It was buried, not at Hawkshead, but many miles off at Staveley; and, after the funeral, the dog was missed from Hawkshead. A fortnight afterwards, Jenny happened to be in Staveley, and went to see the place where her child was buried. There, in a deep hole which he had scratched over the grave, lay the dog, near his dead friend. He could not be coaxed away, and was at last starved to death. So great a heart had the faithful dog, and so strong a love for his little friend.

OUTLINE.—1. A Scotchwoman used to leave her child alone at home, while she hawked articles in the country round.

2. She had a dog, who was very fond of the child.

3. The child died.

4. It was buried at a town some miles distant. The dog was missed.

5. Jenny went to see the grave of her child.

6. The position of the dog.

7. He could not be induced to leave. Result.

8. A great heart; and strong love.

(Taken from Meiklejohn's *Fables, Anecdotes and Stories for Teaching Composition*).