

3. a) The length of a rectangle is 5 metres greater than its width.

i) Use the table to show possible lengths.

ii) Calculate the perimeter. Remember:

$$P=2(\ell+w) \text{ OR } P=2\ell+2w$$

b) Use the table to help solve the following problem:

The length of a rectangle is 5 metres greater than its width. If the perimeter is 42 metres, determine the length and width.

Width	Length	Perimeter
1	6	
2		
10		
w		

In Your Notebooks.

4. d) The length of a rectangle is 4 metres longer than the width. If the perimeter of the rectangle is 128 metres, what are the dimensions of the rectangle?

p.37 #3. b) To find the length of a certain rectangle you must triple the width and add 5m. If the perimeter of the rectangle is 74m, determine the dimensions.

4. a) A large billboard has a length measuring 5 metres less than triple its width. The perimeter of the billboard is 110 m. What is the width of the billboard?

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- d) There are three consecutive integers. When the least of them is divided by 5, the next by 3, and the greatest is divided by 4 the sum of the quotients is 40. What are the numbers?

- e) George's teacher refused to reveal her age. After being begged for a hint she finally admitted that in 12 years she would be three times as old as she was 20 years ago. How old is she?

Answers:

3. b) 8m, 13m

4. d) 30m, 34m

pg.37 #3. b) 8m, 29m

4. a) 15m, 40m

pg.38 d) 50, 51, 52

pg.38 e) 36 years old