

# الرياضيات

الأسئلة المعلنه للعام الدراسي 2010

4

**1**

The distance between Faysal's house and the house of his friend Tarik is 1,320 centimeters.

Which of the following is the correct way to write this distance in meters?

- 1,320 meters
- 132 meters
- 13.2 meters
- 1.32 meters

**Key: 3**

**Strand: Geometry and measures**

**Standard: 09.3 Convert metres to centimetres, centimetres to millimetres, millimetres to cen...**

**DOK: 01 Understanding**

2

Hanadi read eight books over the summer vacation.

Four of the books were story books.

One of the books was a science book.

Two of the books were history books.

One of the books was a travel book.

Which of the following statements is true about the books Hanadi read?

$\frac{1}{2}$  of the books were story books.

$\frac{1}{4}$  of the books were science books.

$\frac{1}{8}$  of the books were history books.

$\frac{1}{3}$  of the books were travel books.

**Key: 1**

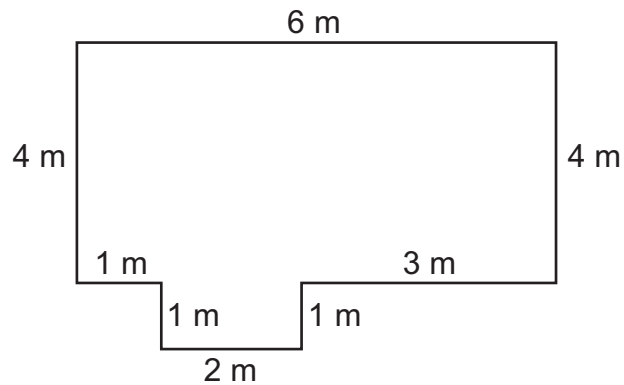
**Strand: Number and algebra**

**Standard: 05.1 Recognise that a proportion of a number of objects can be described by a frac...**

**DOK: 02 Application**

3

Look at the diagram of Khalid's garden.



What is the perimeter of Khalid's garden?

- 13 meters
- 16 meters
- 22 meters
- 26 meters

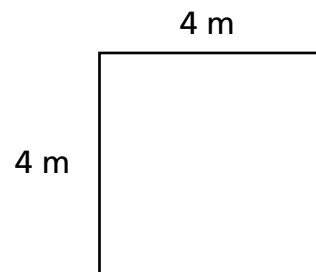
Key: 3

Strand: Geometry and measures

Standard: 10.3 Find the perimeter of an irregular polygon with whole-number sides.

DOK: 01 Understanding


Here is a square with an area of  $16 \text{ m}^2$ .



Draw a rectangle that has the same area.

Label the lengths of the rectangle's sides.

Draw your rectangle here.

<b>Answer:</b>	
	
<b>OR</b>	
Other valid rectangle that has side lengths labeled and an area of 16 m <sup>2</sup>	
Rectangle drawn AND side lengths labeled correctly	<b>2 pts</b>
Rectangle is not drawn in proportion but labels are correct	<b>1 pt</b>
Response is incomplete or irrelevant	<b>0 pts</b>
No response	<b>Blank</b>

**Points: 2**

**Strand: Geometry and measures**

**Standard: 10.1 Solve simple problems involving the area and/or perimeter of squares and rect...**

**DOK: 02 Application**

Hamza draws a table containing several pairs of numbers. He chooses the first number, multiplies it by two, and subtracts one from the result in order to find the second number. Hamza started the following table.

Complete the table.

First Number	Second Number
1	1
2	
3	

**Answer:**

First Number	Second Number
1	1
2	<b>3</b>
3	<b>5</b>

Two correct numbers	<b>2 pts</b>
One correct number	<b>1 pt</b>
Response is incomplete or irrelevant	<b>0 pts</b>
No response	<b>Blank</b>

**Points: 2**

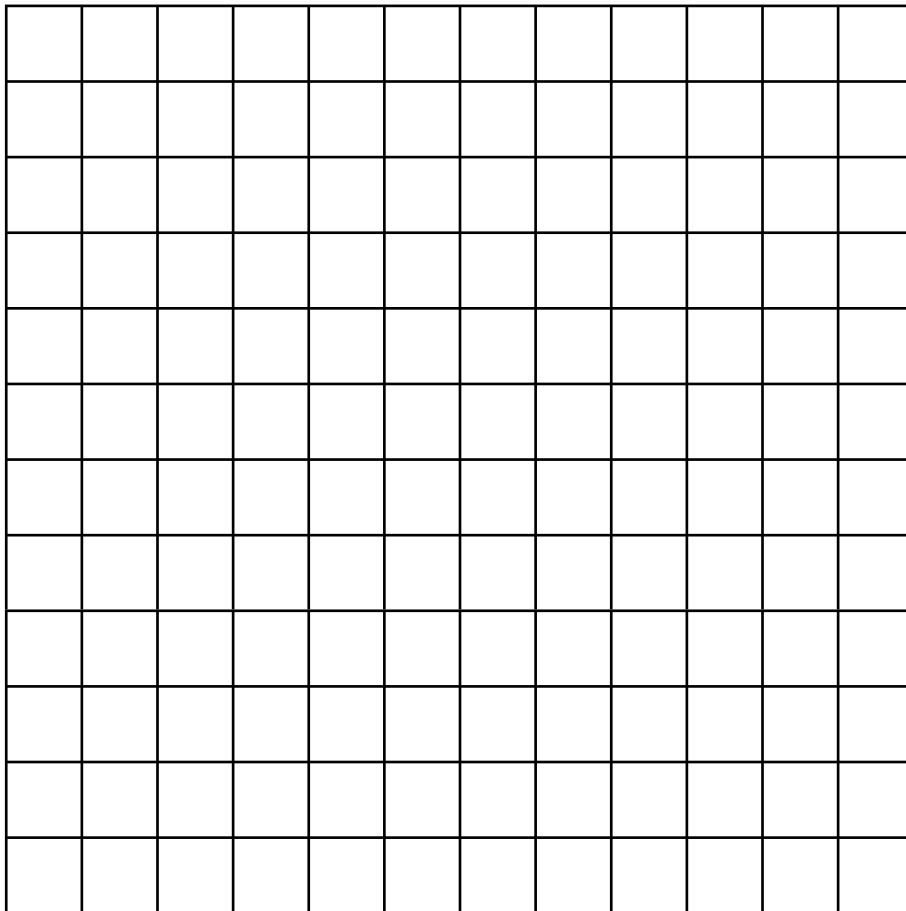
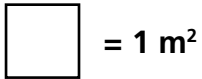
**Strand: Number and algebra**

**Standard: 03.4 Generate pairs of numbers that follow a given rule, such as "multiply the first number by 2"**

**DOK: 02 Application**

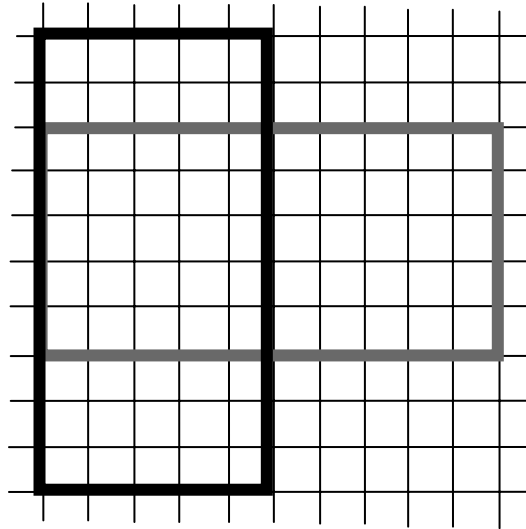
Muna and her family stayed at a hotel that had a swimming pool. The swimming pool measured 5 meters by 10 meters.

On the grid below, draw an accurate scale drawing of the swimming pool.



**Answer:**

Rectangle can be drawn horizontally or vertically, as shown below



Rectangle drawn to the proper scale	<b>2 pts</b>
Rectangle drawn but may have minor error in the proper scale	<b>1 pt</b>
Response is incomplete or irrelevant	<b>0 pts</b>
No response	<b>Blank</b>

**Points: 2**

**Strand: Geometry and measures**

**Standard: 09.6 Solve simple problems involving: scale; proportional reasoning.**

**DOK: 02 Application**