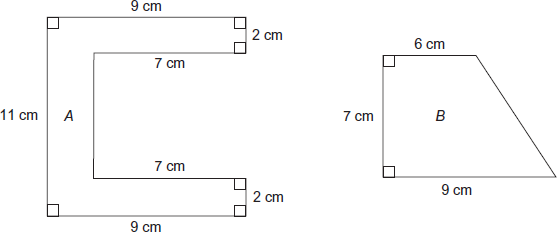
**End of Unit Test** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Area and Perimeter - HIGHER**

1. Not drawn accurately



Which shape has the greater **area** and by how much? You **must** show your working.

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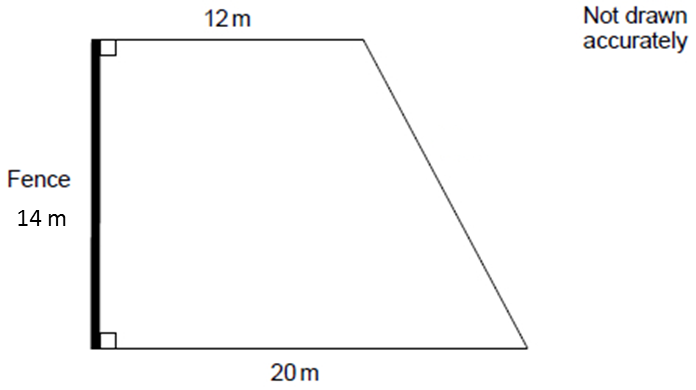
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Shape ........... is greater by ............................ cm2

**(Total 6 marks)**

2) The diagram shows a lawn with a fence along one edge.



One can of weed killer covers 90 square metres. Each can costs £19.25. Work out the total cost of the cans of weed killer needed to cover the lawn.

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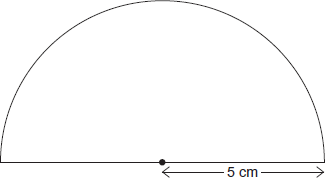
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Answer £ .................................................................................

**(Total 5 marks)**

3) This semi-circle has a radius of 5 cm. Not drawn accurately.



Work out the **perimeter** of the semi-circle. Remember to include the base. Use the approximation *π* = 3.1

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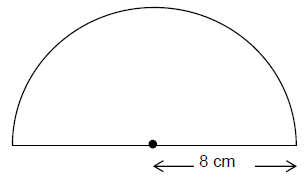
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Answer .................................................................. cm

**(Total 3 marks)**

4) The diagram shows a semicircle of radius 8 cm.Not drawn accurately



Work out the area of the semicircle. Give your answer in terms of *π*.

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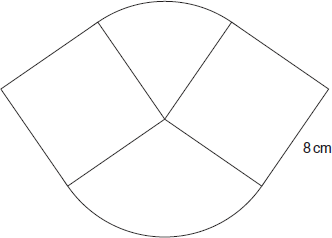
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Answer ............................................ cm²

**(Total 2 marks)**

5) This shape is made from two sectors and two squares of side 8 cm. The radius of each sector is also 8 cm. Not drawn accurately



Work out the total area of the shape. Give your answer in terms of *π.*

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Answer ............................................................... cm2

**(Total 4 marks)**

**(Total for test = 20 marks)**