**Pythagoras**

**C**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. Calculate the length of the missing side:

10cm

6cm

2. Calculate the length of the missing side:

12cm

5cm

3. Find the dimensions of 3 different right-angled triangles (eg 3, 4, 5)

4. i) Explain what is wrong with the following solution:

15cm

8cm

Find the length of the missing side:

*152 = x2 + 82*

*225 = x2 + 64*

*161 = x2*

*x = √161 = 12.68857754 … = 12.7cm (to 1dp)*

ii) Find the correct solution

5) A 2.5m ladder is placed against a wall. The base of the ladder is 70cm from the wall. How far up the wall does the ladder reach?

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| 1 & 4 | I can use Pythagoras Theorem to find the hypotenuse |  |  |
| 2 & 5 | I can use Pythagoras Theorem to find the shorter side of a right angled triangle |  |  |
| 3 | I can use Pythagoras Theorem to investigate triangles |  |  |

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| Top tips I must remember for the exam: |
| ☺☺☺ |
| Types of questions I need to practise more: |
| ☺☺☺ |