**measures**

**EXPRESSIONS**

**C**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. Sam is 1.4m to the nearest 10cm.

a) What is the smallest value his height could be?

b) What is the largest value his height could be?

2. Sam is 89kg to the nearest kg.

a) What is the smallest value his weight could be?

b) What is the largest value his weight could be?

3. Find 3 different lengths that measure 1.2m to the nearest cm

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

*Time= Distance*

 *Speed*

 *Time = 60 = 1.2hours*

 50

 *Time = 1 hour, 20 minutes*

A car travels 60 miles at an

average speed of 50 mph.

How long did it take to complete

the journey in hours and minutes?

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ii) Find the correct solution

5) The density of gold is 19.3 g/cm3.

Calculate the weight of a cube of gold of side 5cm.

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| Qu |  | ☺ | ☹ |
| 1, 2 & 3 | I solve problems using measures given to different degrees of accuracy |  |  |
| 4 & 5 | I can solve problems using compound measures |  |  |

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