**calculator**

**EXPRESSIONS**

**using a**

**EXPRESSIONS**

**C**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. a) Use your calculator to work out: $\sqrt{43.2}+7.2$

b) Write your answer to part (a) correct to 2 decimal places

$$\frac{5.5 -3.16}{0.72}$$

2. a) Use your calculator to work out:

b) Write your answer to part (a) correct to 2 significant figures

3. a) Estimate the answer to the following calculations:

$$10.7+ \frac{2.16}{0.52}$$

$$\frac{10.7}{0.52}+2.16$$

$$\frac{10.7+ 2.16}{0.52}$$

$$\frac{10.7+ 2.16}{5.2}$$

b) Place the calculations in order from smallest to highest

c) Use your calculator to check your answers

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

*3.5 6.31 4.7 0.32*

*4.522553191*

 Use your calculator to work out:

$$\frac{3.5 +6.31}{4.7-0.32}$$

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ii) Find the correct solution

5) The stopping distance (m) of a car can be calculated using the formula:

D = s + s2

 20

Calculate the stopping distance of a car travelling at 30 mph.

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| 1a, 2a & 4 | I can use a calculator efficiently |  |  |
| 1b & 2b | I can round answers  |  |  |
| 3 | I can estimate calculations |  |  |
| 5 | I can solve problems using a calculator |  |  |

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