**Area & VOLUME OF**

**EXPRESSIONS**

**C**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. Calculate the area of the following shapes:

9cmm

a) b) c)

10cmm

8cmm

10cmm

8cmm

12cmm

15cmm

15cmm

12cmm

12cmm

2. Calculate the volume of the following prisms:

6cmm

10cmm

a) b)

10cmm

4cmm

5cmm

8cmm

8cmm

6cmm

3. Find the dimensions of 3 different prisms with volume 240cm3.

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

The volume of the triangular prism is 240cm3.

*Volume = Area x length*

*Area of triangle = 5 x 12 = 60cm2*

*Length = 240 ÷ 60 = 4cm*

Find the length of the prism.

5cm

12cm

13cm

ii) Find the correct solution

5) Jan is making chocolate bars. She

8cm

pours liquid chocolate into this mould.

15cm

How many chocolate bars can she make

from one litre of liquid chocolate?

5cm

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| Qu |  | ☺ | ☹ |
| 1a | I can find the area of a triangle |  |  |
| 1b | I can find the area of a parallelogram |  |  |
| 1c | I can find the area of a trapezium |  |  |
| 2, 3 & 4 | I can find the volume of a prism |  |  |
| 5 | I can solve problems involving volume |  |  |

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