**circles**

**EXPRESSIONS**

**C**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. a) Find the circumference. b) Find the area.

5cm

12cm

2. a) Find the circumference. b) Find the area.

20cm

8cm

3. Find 3 different circles with the property *‘value of the circumference is greater than the value of the area’.*

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

*A = πr2*

*A = π* x *82 = 25.132741232*

*A = 631.65446817*

*A= 631.54 cm2 (to 2dp)*

Find the area of the circle.

16cm

ii) Find the correct solution

5) Pat is planning to pit a rope fence around her garden pond.

1.2m

How much rope does she need to buy?

60cmm

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| --- | --- | --- | --- |
| Qu |  | ☺ | ☹ |
| 1a & 2a | I can find the circumference of a circle |  |  |
| 1b, 2b & 4 | I can find the area of a circle |  |  |
| 5 | I can solve problems involving circles |  |  |

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