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| **Mini murder mystery****(circle stuff)** |
| **Who (This is A/A\* work)**One of the following 4 people is a murderer. They have each given the answer to a circle problem correct to **3 sig figs**. 3 answers are correct and 1 is wrong. The person giving the incorrect answer is the culprit. All have used the π button on their calculator if needed and only rounded off at the final answer.  |
| This circle’s area is 2m2. | http://halloween.whipnet.net/images/clipart/mad_scientist.gifThe **mad scientist** says the circumference is 5.01 m | http://bs015.k12.sd.us/Practice/teacher%20clipart.jpgThe **maths teacher** says the diameter is 160 cm |
| http://www.chumpysclipart.com/images/illustrations/xsmall2/687_enthusiastic_man_with_lots_of_tools_and_supplies_getting_ready_to_tackle_his_garden.jpgThe **gardener** says that a square with the same area would have a perimeter of 5.67 m | http://t1.gstatic.com/images?q=tbn:ANd9GcS0-9qPeBHWjhsmwPI-R31gdvDgOI1L7Xp8Ih___JvViLws_X0Kqg&t=1The **astronaut** says the volume of the sphere with this as the maximum cross section is 2.13 m3 |
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| **Where (Grade B/C standard)**The murder was committed at one of the tourist hotspots in Otley. Which one ?(Numbers have been rounded off). It happened where the answer is true. |
| **The Buttercross** | If a circle whose circumference is 90cm has an area of 90 cm2 and a radius of 14.3 cm. |
| **Chippindale’s statue** | If a circle measuring 45m diameter has a radius of 90m and a circumference of 141 m. |
| **The Navvies Monument** | If a circle whose circumference is 1m has a radius of 15.9 cm and an area of796 cm2 |
| **The Maypole** | If a circle with an area of 20cm2 has a diameter of 5.05cmAnd a radius of 2.52 cm. |
| **When(Grade A/B work)**(find the day where all the facts are correct)BE is a diameter |
| **Monday** | If ABE =90 and DGE=120 and BFD=60 |
| **Tuesday** | If EDG =20 and FGE=40 and CBE=90 |
| **Wednesday**  | If ABF=70 and EGD=120 and CBF=110 |
| **Thursday** | If FBE=20 and BGF=120 and DEB=60 |
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| **The Accusation** |
| **Who** |  |
| **Where** |  |
| **When** |  |