**ANGLES**

**D**

**Pythagroas**

**GRADE BUSTER**

*Your ‘5 a day’ mathematical workout*

1. Calculate the size of the missing angles, giving a reason for your answer.

b

130º

50º

a

c

2. Calculate the size of the missing angles, giving a reason for your answer.

55º

120º

a) b)

110º

a

75º

b

135º

3. Two angles of a quadrilateral are 76º and 112º. Find 3 possible different pairs of values for the other two angles.



*Angle x = 60º (angles on a straight line add up to 180º)*

*b = 60º (alternate angles are equal)*

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

Calculate the size of the missing angle,

giving a reason for your answer.

b

b

55º

120º

x

ii) Find the correct solution

5) Josh covering his floor using floor tiles. Explain why he should use regular hexagons rather than regular octagons.

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| Qu |  | ☺ | ☹ |
| 1 & 4 | I can |  |  |
| 2 & 5 | I can |  |  |
| 3 | I can |  |  |

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