Thursday answer

1) Write a statement about the angles in a trapezium that is

   a) never true: **Answers may include: A trapezium can have more than two obtuse angles; can have more than two acute angles; always has four angles the same.**

   b) always true: **Answers may include: A trapezium always has at least two pairs of equal angles; always has two acute and two obtuse angles.**

   Explain your answer: **Multiple answers possible.**

2) Zafi adds three acute angles together to make an obtuse angle.

   a) What is the smallest size her angles can be?
   Accept any combination of three angles totalling 91°.

   b) What is the largest?
   Accept any combination of three acute angles totalling 179°.

   c) Prove it!
   Children's own responses, showing an understanding that the smallest possible obtuse angle is 91° and the largest is 179° and that the three angles must all be smaller than 90° to be acute.