## GCSE Breakfast Fold & Solve – Non Calculator 1 ACCESS MATHS Skills:

Answers — Fold this over

Fold the answers back and work through the questions below! Ali: £80 Beth: £200 Expression: 12x + 4Formula Skills Sin(30) =Cos(60) =Power of  $3: 3^7$ Prime factors:  $2^3 \times 7$ Area of a circle: Ali and Beth divide £280 in the ratio 2:5Formula: Sin(30)=0.5, Cos(60)=0.5Work out how much each person gets. Circumference of a circle: Area of a circle =  $\pi r^2$ Area of a triangle: Circumference =  $\pi d$ 5x - 22x + 3Area of a triangle =  $\frac{1}{2}$ bh Pythagoras Theorem: Pythagoras:  $a^2+b^2=c^2$ **Problem:** Problem В CA 5x + 3142° Here is one way: Find an expression for the perimeter  $.ABC = 38^{\circ}$ Reason: Angles on a Write  $\frac{3^5 \times 3^4}{3^2}$  as a power of 3 straight line =  $180^{\circ}$  $BEA = 71^{\circ}$ F D Ε Reason: Base angles in an ABC and DEF are parallel straight lines. isosceles are equal Express 56 as the product of its prime factors. ABE is an isosceles triangle with AB = BE. Angle  $CBE = 142^{\circ}$  $x = 71^{\circ}$ Work out the size of angle x. Reason: Alternate angles Give a reason for each stage in your working. are equal. AED = BAE

www.accessmaths.co.uk