







Use the formula **base** × **height** to calculate the area of a parallelogram. 1) I am thinking of a parallelogram with side lengths that are whole numbers. It has an area of 84cm<sup>2</sup>. between 10cm Its height measures between 10cm and 30cm. and 30cm Its base measures between 2cm and 10cm. between 2cm and 10cm Give the dimensions of all the possible parallelograms I could be thinking of. 2) DIY Dan is decorating his bathroom with these tiles: 16cm £3.50 per tile 15cm One wall of his bathroom has an area of 4800cm<sup>2</sup>. a) How many tiles will DIY Dan need to decorate this wall? b) DIY Dan spends another £175 decorating the rest of his bathroom with tiles. How many more tiles did DIY Dan use?

