

Chocolate cookies

Makes 12

100 g flour

55 g butter

55 g sugar

20 g cocoa

1 egg

- (a) Sunita makes 24 chocolate cookies.

Work out how much flour she needs.

..... g [1]

- (b) Albie has 28 g of cocoa.

Does he have enough cocoa to make 18 cookies?

Explain how you decide.

.....  
 ..... [2]

23 (a)  $a^8 \times a^x = a^{15}$

Find the value of  $x$ .

$x =$  ..... [1]

(b)  $(b^7)^y = b^{21}$

Find the value of  $y$ .

$y =$  ..... [1]