

- 16** On Monday the cost of a concert ticket is \$ $x$ .  
On Tuesday the cost of a ticket for the same concert is 20% more than the cost on Monday.

Jack buys 4 tickets on Monday and 5 tickets on Tuesday.  
Jack pays \$270 in total.

Work out the value of  $x$ .

$$x = \dots\dots\dots [3]$$

- 17** Simplify.

**(a)**  $y^4 \times y^6$

$$\dots\dots\dots [1]$$

**(b)**  $\frac{p^5}{p^8}$

$$\dots\dots\dots [1]$$

**(c)**  $(w^4)^3$

$$\dots\dots\dots [1]$$