

## 2 Logarithms and inverse functions – Part 2 —Answers

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### Answers

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Work through these after you have tried the questions yourself.

**2.1** it means  $b^a = c$  –i.e.  $a$  is the power you raise  $b$  to in order to get  $c$ .

**2.2**  $\log_2 16 = 4$ , because  $2^4 = 16$ .

**2.3**  $\log_{10} 100 = 2$ , because  $10^2 = 100$ .

**2.4**  $5^x = 125 = 5^3$ , so  $x = 3$ .

**2.5** divide by 3:  $2^x = 16 = 2^4$ , so  $x = 4$ .