

NOTA:

$$\begin{aligned} \text{a)} \quad 3^4 &= 3 \times 3 \times 3 \times 3 = 81 \\ \text{b)} \quad (-3)^5 &= (-3) \times (-3) \times (-3) \times (-3) \times (-3) \\ &= -243 \\ \text{c)} \quad \left(\frac{1}{3}\right)^6 &= \left(\frac{1}{3}\right) \times \left(\frac{1}{3}\right) \times \left(\frac{1}{3}\right) \times \left(\frac{1}{3}\right) \times \left(\frac{1}{3}\right) \times \left(\frac{1}{3}\right) \\ &= \frac{1}{729} \end{aligned}$$

TAHAP PENGUASAAN 2

Mempamerkan kefahaman tentang bentuk indeks

1. Tulis pendaraban berulang dalam bentuk indeks . Pilih jawapan yang tepat.

$3 \times 3 \times 3 \times 3$	
$0.5 \times 0.5 \times 0.5$	
$(-b) \times (-b) \times (-b) \times (-b) \times (-b)$	
$1\frac{2}{3} \times 1\frac{2}{3}$	
$3 \times 3 \times 3$	

$$\left(2\frac{4}{9}\right)^2$$

$$(-b)^5$$

$$\left(1\frac{2}{3}\right)^2$$

$$(3)^3$$

$$(4)^3$$

$$(-5)^5$$

$$(3)^4$$

$$(0.5)^3$$

2. Tukarkan nombor atau sebutan algebra dalam bentuk indeks kepada pendaraban berulang.
Lengkapkan tempat kosong.

a) $(3^3) =$

	x		x	
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b) $(2.5^4) =$

	x		x		x	
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c) $(4a)^6 =$

	x		x		x		x		x	
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d) $(3n)^5 =$

	x		x		x		x	
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e) $(-5)^2 =$

	x	
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