

**POWER REVISI**

Suatu nombor dalam bentuk indeks terdiri daripada asas dan indeks atau eksponen. Misalnya,  
*A number in index form contains a base and an index or exponent. For example,*

$$2 \times 2 \times 2 = 2^3$$

asas  
base

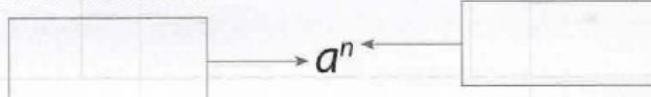
indeks / eksponen  
Index / exponent



Tip Penting ...

$2^3$  dibaca sebagai '2 kuasa 3'.  
 $2^3$  is read as '2 to the power of 3'.

1. Isi petak kosong dengan perkataan 'asas' dan 'indeks'. **SP 1.1.1** **TPI**  
*Fill in the empty boxes with the words 'base' and 'index'.*



2. Isi petak kosong bagi setiap yang berikut. **SP 1.1.1** **TPI**  
*Fill in the empty boxes for each of the following.*

Contoh

$$8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 = 8^7$$

berulang 7 kali  
repeated 7 times

Nilai indeks ialah 7.  
The value of index is 7.

(a)  $0.5 \times 0.5 \times 0.5 \times 0.5 \times 0.5 \times 0.5 \times 0.5 = 0.5^{\square}$

(b)  $(-h) \times (-h) \times (-h) \times (-h) \times (-h) = (-h)^{\square}$

(c)  $7 \times 7 \times 7 \times 7 \times 7 = \square$

(d)  $(-9) \times (-9) \times (-9) \times (-9) \times (-9) = \square$

(e)  $\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} = \square$

(f)  $(-0.6) \times (-0.6) \times (-0.6) = \square$

(g)  $2n \times 2n \times 2n \times 2n = \square$

Lengkapkan ayat berikut. / Complete the following sentence.

\_\_\_\_\_ pada suatu nombor yang ditulis dalam bentuk indeks menunjukkan bilangan kali nombor itu didarab secara \_\_\_\_\_.

The \_\_\_\_\_ of a number written in index form indicates the number of times the number is multiplied \_\_\_\_\_.

3. Tukarkan nombor atau sebutan algebra dalam bentuk indeks kepada pendaraban berulang. **SP 1.1.1** **TPI**  
*Convert the numbers or algebraic terms in index form into repeated multiplications.*

(a)  $6^9 =$

(b)  $1.4^4 =$

(c)  $\left(-\frac{1}{7}\right)^5 =$

(d)  $m^8 =$

(e)  $\left(2\frac{1}{8}\right)^6 =$

(f)  $(-9p)^3 =$