

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,

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

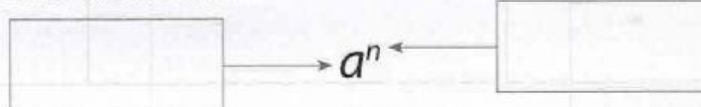
indeks / eksponen
index / exponent

asas
base

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

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

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

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

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