

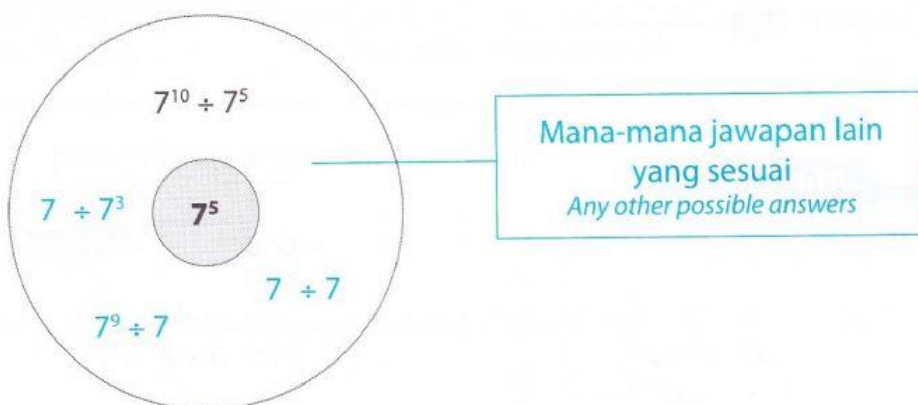
Lengkapkan setiap yang berikut. **(TP2)**

Complete each of the following.

(a) $\frac{2 \times 2 \times 2 \times 2 \times 2 \times 2}{2 \times 2 \times 2} = \frac{2^{\square}}{2^{\square}}$ $\frac{\cancel{2} \times \cancel{2} \times \cancel{2} \times 2 \times 2 \times 2}{\cancel{2} \times \cancel{2} \times \cancel{2}} = 2^{\square}$	(b) $p^8 \div p^4 = \frac{p^{\square}}{p^{\square}}$ $\frac{\cancel{p} \times \cancel{p} \times \cancel{p} \times \cancel{p} \times p \times p \times p \times p}{\cancel{p} \times \cancel{p} \times \cancel{p} \times \cancel{p}} = p^{\square}$	Secara generalisasi By generalisation, $a^m \div a^n = a^{\square}$
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Rajah di bawah menunjukkan pembahagian dua nombor dalam bentuk indeks dan hasil bahagi. Senaraikan tiga set pembahagian nombor yang lain. **(TP3)** **i-THINK** Peta bulatan

The diagram shows the division of two numbers in index form and its quotient. List three other sets of division of numbers.



Permudahkan setiap yang berikut. **(TP3)**

Simplify each of the following.

Contoh PdPc

(i) $4^{11} \div 4^5$
 $= 4^{11-5}$
 $= 4^6$

(ii) $54a^7b^9 \div 9a^6b^2$
 $= \frac{54}{9}a^{7-6}b^{9-2}$
 $= 6ab^7$

(a) $8^6 \div 8^2 = 8$ $= 8$	(b) $\frac{3^{18}}{3^9} = 3$ $= 3$	(c) $x^{16} \div x^4 \div x^2 = x^{\square}$ $= x^{\square}$
(d) $14y^7 \div 2y = \frac{y^7}{y}$ $= 7y$ $= 7y$	(e) $36k^7 \div 6k^2 \div k^2$ $= \frac{36k}{6k} \div k^2$ $= 6k \div k^2$ $= 6k^5 \div k^2$ $= 6k$ $= 6k$	(f) $-25m^{10} \div 5m^2 \div 5m^3$ $= \frac{m^{10}}{m^2} \div m^3$ $= m \div 5m^3$ $= m \div 5m^3$ $= -1m$ $= m$
(g) $x^9y^{11} \div x^3y^9 = x^{\square} y^{\square}$ $= x^{\square} y^{\square}$	(h) $35g^4h^8 \div 5g^2h^4$ $= \frac{35}{5}g^{4-2}h^{8-4}$ $= gh$	(i) $\frac{121m^7n^6}{11mn^5} = 11m^{\square} n^{\square}$ $= 11m^{\square} n^{\square}$