

# MATEMATIK

## TINGKATAN 1

### KUASA TIGA DAN PUNCA KUASA TIGA

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## MARKAH

- 1 Anggarkan nilai yang berikut. Berikan anggaran anda di antara dua nombor.

$$1^3 = 1$$

$$2^3 = 8$$

$$3^3 = 27$$

$$4^3 = 64$$

$$5^3 = 125$$

$$6^3 = 216$$

$$7^3 = 343$$

$$8^3 = 512$$

$$9^3 = 729$$

$$10^3 = 1000$$

$$11^3 = 1331$$

$$12^3 = 1728$$

(a)  $2 \cdot 4^3$

$$\boxed{\phantom{00}}^3 < 2 \cdot 4^3 < \boxed{\phantom{00}}^3$$
$$\boxed{\phantom{00}} < 2 \cdot 4^3 < \boxed{\phantom{00}}$$

Maka  $2 \cdot 4^3$  berada antara  
 $\boxed{\phantom{00}}$  dan  $\boxed{\phantom{00}}$

(b)  $\sqrt[3]{800}$

$$\sqrt[3]{\boxed{\phantom{00}}} < \sqrt[3]{800} < \sqrt[3]{\boxed{\phantom{00}}}$$
$$\boxed{\phantom{00}} < \sqrt[3]{800} < \boxed{\phantom{00}}$$

Maka  $\sqrt[3]{800}$  berada antara  
 $\boxed{\phantom{00}}$  dan  $\boxed{\phantom{00}}$

(c)  $\sqrt[3]{-70}$

$$\sqrt[3]{\boxed{\phantom{00}}} < \sqrt[3]{-70} < \sqrt[3]{\boxed{\phantom{00}}}$$
$$\boxed{\phantom{00}} < \sqrt[3]{-70} < \boxed{\phantom{00}}$$

Maka  $\sqrt[3]{-70}$  berada antara  
 $\boxed{\phantom{00}}$  dan  $\boxed{\phantom{00}}$

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(d)  $6 \cdot 7^3$

$\boxed{\text{pink}}^3 < 6 \cdot 7^3 < \boxed{\text{pink}}^3$   
 $\boxed{\text{blue}} < 6 \cdot 7^3 < \boxed{\text{blue}}$

Maka  $6 \cdot 7^3$  berada antara  
 $\boxed{\text{blue}}$  dan  $\boxed{\text{blue}}$

(e)  $11 \cdot 1^3$

$\boxed{\text{pink}}^3 < 11 \cdot 1^3 < \boxed{\text{pink}}^3$   
 $\boxed{\text{blue}} < 11 \cdot 1^3 < \boxed{\text{blue}}$

Maka  $11 \cdot 1^3$  berada antara  
 $\boxed{\text{blue}}$  dan  $\boxed{\text{blue}}$

(f)  $\sqrt[3]{1234}$

$\sqrt[3]{\boxed{\text{pink}}} < \sqrt[3]{1234} < \sqrt[3]{\boxed{\text{pink}}}$   
 $\boxed{\text{blue}} < \sqrt[3]{1234} < \boxed{\text{blue}}$

Maka  $\sqrt[3]{1234}$  berada antara  
 $\boxed{\text{blue}}$  dan  $\boxed{\text{blue}}$

(g)  $\sqrt[3]{-150}$

$\sqrt[3]{\boxed{\text{pink}}} < \sqrt[3]{-150} < \sqrt[3]{\boxed{\text{pink}}}$   
 $\boxed{\text{blue}} < \sqrt[3]{-150} < \boxed{\text{blue}}$

Maka  $\sqrt[3]{-150}$  berada antara  
 $\boxed{\text{blue}}$  dan  $\boxed{\text{blue}}$