SUBJECT: Maths

UNIT: Sequences & Nth Term



Cube Numbers $1 \times 1 \times 1 = 1$ $2 \times 2 \times 2 = 8$ $3 \times 3 \times 3 = 27$ $4 \times 4 \times 4 = 64$ $5 \times 5 \times 5 = 125$ Cube Roots $\sqrt[3]{1} = 1$ $\sqrt[3]{8} = 2$ $\sqrt[3]{64} = 4$ $\sqrt[3]{125} = 5$
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SUBJECT: Maths

UNIT: Substitution

If e = 10 find

0 20

Speed = $100m \div 20s = 5m/s$

 $= 20 \div 10 = 2$





Substitution

Replace

ords

W = mg

If m = 2 and g = 3 find the value of W

$$W = 2 \times 3 = 6$$

Basic Skills

P=F

If F = 15 and A = 3 find P.

If a = 2 find 3a

=3 x 2 = 6

 $P = 15 \div 3 = 5$

If b = -3 find b + 4 = -3 + 4 = -1

= -3 + 4 = -1If c = 4 find c - 2

 $P = 2 \times 3 \times 10 = 60$

P = hpg

If h = 2, p = 3 and g = 10 find P.

= 4 - 2 = 2

Speed = distance ÷ time If distance is 100m and time is 20s find the

If d = 5 find 10d

 $= 10 \times 5 = 50$

24 = 2 × p × 6 24 = 12 × p p = 24 + 12 = 2

Substitution into Formulae

Substitution into Formulae (with rearranging)

If w = 10 and g = 2 find m

W = mg

10 ÷ 2 = m 5 = m

 $P = \frac{F}{A}$ If P = 3 and A = 4 find F $3 = \frac{F}{A}$

 $= 3 \times 4 = 12$

P=hpg

If P = 24, h = 2 and g = 3, find p

SUBJECT: Maths

UNIT: Graphs



