Worked Practice

GAC Mathematics · Vocabulary in context

Word	Example
number line /ˈnʌmbə laɪn/	Show $x > 2$ on a **number line**. $x > 2$
similar /ˈsɪmɪlə/	**Similar** shapes have the same shape but different sizes.
length ratio /leŋθ ˈreɪʃɪəʊ/	The **length ratio** of the two models is $1 : 3$. $1 : 3$
surface area /ˈsɜːfɪs ˈeərɪə/	The **surface area** of a cube with side 2 cm is 24 cm^2. 2 cm 24 cm^2
percentage /pəˈsentɪdʒ/	Prices rose by five **percentage** points this year.
multiplier /ˌmʌltɪˈplaɪə/	The **multiplier** means £1 of new spending can create more than £1 of income. £1 £1
equation /ɪˈkweɪʒn/	$2x + 3 = 7$ is an **equation**. $2x + 3 = 7$
inequality /ɪniːˈkwɒlɪti/	$x > 3$ is an **inequality**. $x > 3$
reverses /rɪˈvɜːsɪz/	Multiplying by -1 **reverses** the inequality sign. -1
Boundary /ˈbaʊndəri/	Check the **boundary** value: is it included?
closed circle /kləʊzd ˈsɜːkl/	A **closed circle** on a number line means the end point is included.
scale factor /skeɪl ˈfæktə/	A **scale factor** of 2 doubles every length. 2
square /skweə/	**Square** the length scale factor to get the area scale factor.

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