

Essential Skills 5

The questions in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed



Changing the subject of a Formula (Non Calculator)

Change the subject to the indicated letter:

1. $A = bc^2 + d$ (c) 2. $V = \pi r^2 h$ (r)

3. $H = \sqrt{ft}$ (t) 4. $W = \frac{d^2}{p}$ (p)

5. $g = (vip)^2$ (v) 6. $A = \frac{1}{2}absinC$ (a)

7. $gh^3 - d = w$ (h) 8. $P = \frac{5hs}{t}$ (h)

9. $D = \frac{3(a+b)}{f}$ (a) 10. $T = \sqrt[3]{6t - 3}$ (t)

APPLYING QUESTION (Calculator)

A cosmetics company aim to reduce the volume of a spherical bath bomb by 20%

(a) If it originally had a volume of $480cm^3$, what will its new volume be?

(b) Calculate the radius of the resized bath bomb.

