

# Friday Flashback #2

Ma 10

1. Identify which group the number  $-1.23$  belongs? ( $N, I, W, R, Q, \bar{Q}$ )
2. Determine the surface area of a rectangular prism with dimensions  $2.5\text{m}$  by  $1.3\text{m}$  by  $5\text{m}$ .
3.  $500$  litres = \_\_\_\_\_  $\text{cm}^3$
4. The LCM of  $24$  and  $80$  is \_\_\_\_\_.
5. Simplify  $(\frac{2}{5}x^2y^{-3})^{-2}$
6. Write as a power  $\sqrt[5]{y^3}$
7. If a sphere has a volume of  $500\text{cm}^3$ , what is its surface area?
8. Write  $4\sqrt{3}$  as an entire radical
9. Convert  $12\text{cm}^2 =$  \_\_\_\_\_  $\text{mm}^2$
10. A cone has a height of  $20\text{cm}$  and a diameter of  $5\text{cm}$ . What is its surface area?

Factor:

- a)  $12x^3 - 24x^2$
- b)  $x^2 + 2x - 15$
- c)  $4x^2 - 9$
- d)  $5x^2 + 22x + 8$