

Quick Wits – Higher 13

1) Write down the factors of 24

2) Two buses stop at the same bus stop. Bus A stops every 25 mins and Bus B every 40 mins. If both buses leave the stop at 9am, what time should the buses next reach the stop together.

3) What is the reciprocal of 9?

4) Estimate

a) $8.6 + 4.9$

b) $\frac{89.8 \times 5.9}{2.43}$

5) Expand

a) $5(ab + 2a)$

b) $w^3(w^2 - 3)$

6) Expand and simplify

a) $(x + 4)(x + 2)$

b) $(2x - y)(x + 3y)$

7) Solve $y^2 + 7y + 6 = 0$

8) Simplify $\frac{x^2 + 5x}{x + 5}$