

6.5 Quick 'In your head' Questions

GCSE Mathematics Algebra, Rearranging Formulae

There are TWO operations to be done to both sides to get from question to answer.
Try to do both in your head.
Do not write down any working.

Question 1

Make x the subject; $\sqrt{x + h} = k$

Question 2

Make x the subject; $x^2 - 6 = g$

Question 3

Make x the subject; $2d = \frac{x}{3m}$

Question 4

Make x the subject

$$\frac{1}{x} + k = 4w$$

Question 5

Make x the subject; $5x^2 = p^{11} + 2$

Question 6

Make x the subject; $\sqrt{\frac{x}{g}} = 10s$

Question 7

Make x the subject; $8 - x^2 = c$

Question 8

Make x the subject; $x^2(k^2 + p) = v$

Question 9

Make x the subject; $\frac{\sqrt{x}}{e} = \frac{5}{7}$

Question 10

Make x the subject; $\frac{1}{\sqrt{x}} = 9n$