



EXAM PAPERS PRACTICE

GCSE OCR Math J560

Rearranging Formulae

Question Paper

*"We will help you to
achieve A Star "*



Question 1

Make t the subject of the formula $w = 3t + 11$

[2 marks]

Question 2

Make p the subject of $p + 4q = 3p + 5$

[2 marks]

Question 3

Make y the subject of $3(y + 2x - 1) = x + 5y$

[3 marks]

Question 4

Make t the subject of the formula $y = \frac{t}{3} - 2a$

[2 marks]

Question 5

Make p the subject of the formula $y = 3p^2 - 4$

[3 marks]



Question 6

Make m the subject of $g - 3m = am + 5$

[3 marks]

Question 7

Make m the subject of the formula $v = \sqrt{\frac{2E}{m}}$

[3 marks]

Question 8

Make t the subject of the formula $2(d - t) = 4t + 7$

[3 marks]

Question 9

Make y the subject of the formula

$$t = \frac{2 - 3y}{y + 2}$$

[4 marks]

Question 10

Make v the subject of the formula $w = \frac{15(t - 2v)}{v}$

[3 marks]



Question 11

$$m = \sqrt{\frac{k^3 + 1}{4}}$$

Make k the subject of the formula.

[3 marks]

Question 12

Make a the subject of the formula $p = \frac{3a + 5}{4 - a}$

[4 marks]

Question 13

Make m the subject of

$$\frac{m}{v} - \frac{t}{b} = \frac{m - t}{R}$$

[4 marks]

Question 14

Given that y is positive, make y the subject of $y = \sqrt{ay^2 + n}$

Show clear algebraic working.

[5 marks]



Question 15

Make t the subject of the formula $m = \frac{t + 1}{t - 3}$

[4 marks]