

Rearranging Formulae

Question Paper

Course	Edexcel IGCSE Maths
Section	2. Equations, Formulae & Identities
Topic	Rearranging Formulae
Difficulty	Medium

Time allowed: 40
Score: /30
Percentage: /100

Question 1

Make y the subject of the formula $p = \sqrt{\frac{x+y}{5}}$

[3 marks]

Question 2

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

[3 marks]

Question 3

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

[3 marks]

Question 4

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

[3 marks]

Question 5

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

Make k the subject of the formula.

[3 marks]

Question 6

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

[3 marks]

Question 7

Make c the subject of $A = \frac{c}{y} - 5z$

[2 marks]

Question 8

Make f the subject of $m = \sqrt{\frac{1}{3}ef}$

[2 marks]

Question 9

Make t the subject of $s = \frac{1}{2}at^2$

[2 marks]

Question 10

Rearrange $y = \sqrt{w^3}$ to make w the subject.

Circle your answer.

$$w = y^6$$

$$w = \sqrt[3]{y^2}$$

$$w = \sqrt{y^3}$$

$$w = y^5$$

[1 mark]

Question 11

Rearrange $a = \frac{b}{c} + 5$ to make c the subject.

[3 marks]

Question 12

Use the formula $s = ut + \frac{1}{2}at^2$.

Make a the subject of the formula.

$a = \dots\dots\dots$

[2 marks]