Rearranging Formulae

For each question, follow the instructions to rearrange the formula.

1. $v = u + at$

Make u the subject.

2. $F = ma$
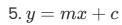
Write a in terms of F and m.

3. $y = x - 7$

Find x in terms of y.

4. $C = \pi d$

Solve for d.

5. $y = mx + c$

Make x the subject of the formula.

6. $v = u + at$

Find an expression for a.

7. $P = 2l + 2w$

Rearrange the formula to make l the subject.

8. $A = \frac{1}{2}bh$

Write h in terms of A and b.

9. $A = \pi r^2 + 2\pi rh$

Solve the equation for h.

10. $A = \pi r^2$

Make r the subject.

11. $E = mc^2$

Find c in terms of E and m.

12. $a^2 + b^2 = c^2$

Find an expression for a.

13. $V = x^3$

Solve for x.

14. $s = \dfrac{d}{t}$

Make t the subject of the formula.

15. $a = \dfrac{v - u}{t}$

Write t in terms of the other variables.

16. $y = \dfrac{3}{x} - 2$

Rearrange to make x the subject.

17. $ax = bx + c$

Make x the subject.

18. $p(q + r) = s(t - q)$

Solve the equation for q.

19. $A = P(1 + rt)$

Find an expression for r.

20. $T = 2\pi\sqrt{\dfrac{L}{g}}$

Make L the subject of the formula.