

17 $I = M(k^2 + c^2)$

- (a) Find the value of I when $M = 7$, $k = 3$ and $c = 2$.

$I =$ [2]

- (b) Rearrange the formula to write k in terms of I , M and c .

$k =$ [3]

10 $b = dm + 2mk$

- (a) $d = 3.14$, $m = 7.92$ and $k = 10.16$.

By rounding each value correct to 1 significant figure, work out an estimate for b .

..... [3]

- (b) Rearrange the formula to make m the subject.

$m =$ [2]