

CONSOLIDATE PRACTICE – III

Solve the inequality $3x + 4 \leq 22$

David buys 2 DVDs and 2 CDs in a shop and in total they cost £18.

Ellie buys 3 DVDs and 2 CDs in the same shop and they cost £22.

Find the cost of each DVD and each CD.



12cm

Calculate the perimeter of this semi-circle.

Write 50000 in standard form

Write 0.0043 in standard form

Work out the values of c and d in the identity.

$$4(3x + 7) - 2(9x + c) \equiv dx + 90$$

Find where the line $7y = 3x + 10$ meets the x -axis.

w is inversely proportional to c squared.

When $w = 100$, $c = 2$.

Find w when $c = 4$.

Write 3.8×10^{-3} as an ordinary number

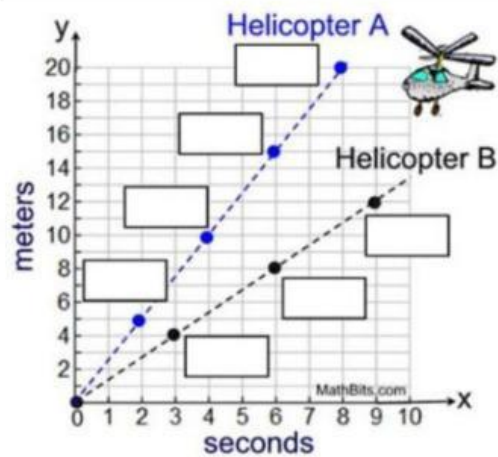
$$f(x) = 3x - 1$$

$$g(x) = 2x + 4$$

Find $gf(x)$

Two model helicopters take off at the same time. Helicopter A rises 5 meters every 2 seconds. Helicopter B rises 4 meters every 3 seconds

a) Fill in the missing ordered pairs on the coordinate graph for each helicopter.



b) Does the rise of each helicopter represent a proportional relationship? Explain.

Work Out :

$$[(2^3 \times 3^8) / 3^2]^{1/3}$$

