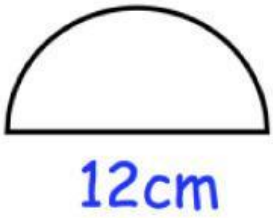
CONSOLIDATE PRACTICE – III

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.



Calculate the perimeter of this semi-circle.

Write 50000 in standard form

Write 0.0043 in standard form

LIVEWORKSHEETS

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

$f(x) = 3x - 1$

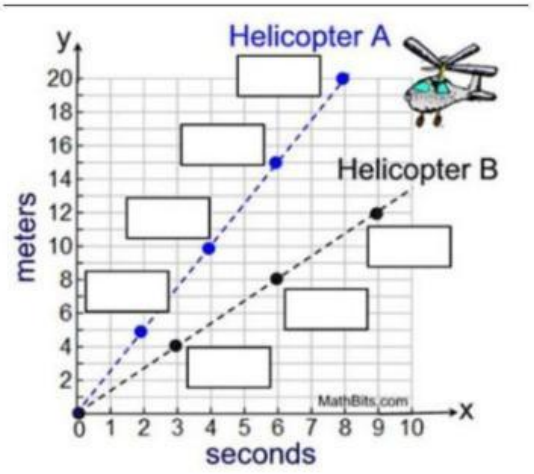
$g(x) = 2x + 4$

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.

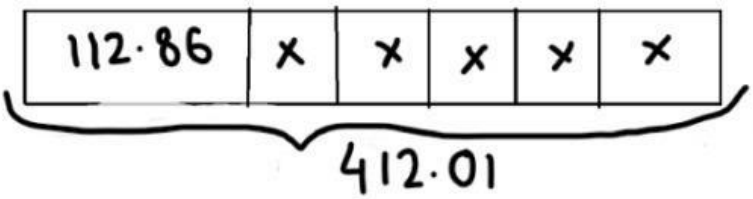


b) Does the rise of each helicopter represent a proportional relationship? Explain.

Work Out :

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

LIVEWORKSHEETS



The total weight of red balls and yellow balls in a basket is 4,300 g. Each red ball weighs 35 g, and each yellow ball weighs 40 g. How many yellow balls are there if there are 60 red balls in the basket?

Find the value of x , when

$$3^{-5} \times 3^{2x+1} = 3^{14} \div 3^{6}$$

FIND CONSTANT OF PROPORTIONALITY OF EACH EQUATION :

1) $3y = 9x$ k = _____

2) $\frac{5y}{x} = 65$ k = _____

3) $2y - 62x = 0$ k = _____

Richard spent $\frac{3}{4}$ of a sum of money and gave away $\frac{3}{4}$ of the remainder. He had $6 left. How much did he have at first?

$_____

LIVEWORKSHEETS