



Thursday (hard) – LO: to substitute symbols and letters for numbers.

Varied fluency

Reasoning and problem solving

9a. Match the expressions to their values.

If  = 0.25 and  = 0.5.

A.  $(8 \triangle \div 10 \star) - \star$

B.  $(4 \triangle + 2 \star) \div \star$

C.  $10 \star + 10 \triangle + \triangle$



VF

10a. True or false?

If  $c = 5.1$ ,  $d = 0.5$  and  $e = 5$ .

$$(3c + 2d) - 4e = 3.7$$



VF

11a. Tick the substitution used for this expression if the value is 54.6.

$(a \div c) + 5b$

$a = 2.5, b = 10, c = 2$

$a = 2.3, b = 10, c = 0.5$



VF

12a. Who is correct?

$a = 1.25$ ,  $b = 100$  and  $c = 9$



Jack

$(3a \times b) - c$   
is  $375 - 9 = 366$



Ivy

$(3a \times b) - c$   
 $125 - 9 = 116$



VF

7a.

$$x = (y^2 \div 10) + 1.25$$

$$z = x + 10$$

Lucy says:



If  $y = 9$  then  
 $z = 19.5$ .

Is she correct?

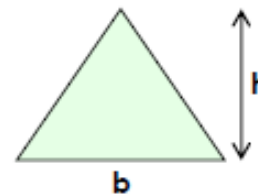
Explain your answer.



R

8a. Yusuf is calculating the area of a triangle.

He is using the equation  $A = \frac{1}{2} b \times h$ .



When  $b = 12\text{cm}$ , he calculates that  $A = 66\text{cm}^2$ .

What is the value of  $h$ ?



Not to scale

PS

9a. True or false?

$$x = 100y \div (z - 2.5)$$

When  $y = 0.55$  and  $z = 13.5$ ,  
 $x = 0.5$ .

Explain your answer.



R