









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


**Varied fluency**

1a. Match the expressions to their values.  
 If  = 2 and  = 10.

A.  + 

B.  - 


C.  x 

 VF

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2a. True or false?  
 If  $a = 10$  and  $b = 5$ .

$2a + b = 22$

 VF


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3a. Tick the substitution used for this expression if the value is 225.

$a + 2b$


$a = 100, b = 25$


$a = 25, b = 100$


 VF

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4a. Who is correct?  
 $a = 20, b = 4$

 Mo  
 $(a + b) \times 10$   
 is  $26 \times 10 = 260$

 Millie  
 $(a - b) \times 10$   
 is  $16 \times 10 = 160$


 VF

**Reasoning and problem solving**


1a.

$d = 2e + 50$   
 $f = d - 17$

Hafsa says:

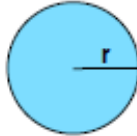
 If  $e = 7$  then  $f = 47$ .

Is she correct?  
 Explain your answer.


 R

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2a. Jordan is calculating the diameter of a circle.  
 He is using the equation  $d = 2r$ .



He calculates that  $d = 20\text{cm}$ .  
 What is the value of  $r$ ?

 PS


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3a. True or false?

$e = 2f - 15$

When  $f = 20, e = 5$ .

Explain your answer.

 R