## Week 15

## Friday 3rd July 2020

Year 6 Finding Pairs of values - Varied Fluency Watch the demonstration on finding pairs of values: https://www.youtube.com/watch?v=O-bQyDTtPz4

## Substitution


号 6 VF

Da. True or false?

$$
\begin{aligned}
& \text { If } a=10 \text { and } b=5 . \\
& 2 a+b=22
\end{aligned}
$$

Db. True or false?

$$
\begin{aligned}
& \text { If } a=7 \text { and } b=15 . \\
& \qquad 2 b-2 a=16
\end{aligned}
$$

## 向

Bb. Tick the substitution used for this expression if the value is 100 .

$$
\begin{array}{ll}
a-2 b \\
a=200, b=50 & \square \\
a=50, b=200 & \square
\end{array}
$$

4b. Who is correct?

$$
a=5, b=100
$$

$$
(a+b) \times 10
$$

$$
\text { is } 26 \times 10=260
$$

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

## Substitution

5a. Match the expressions to their values.

$$
\text { If } \lambda=5 \text { and } O=2 .
$$



5b. Match the expressions to their values.

$$
\text { If }=0.5 \text { and }=8 .
$$



6a. True or false?

$$
\begin{gathered}
\text { If } x=10, y=2 \text { and } z=5 . \\
3 x+y+z=37
\end{gathered}
$$

A. ( $\quad$ ) -
C.


6b. True or false?

$$
\begin{aligned}
& \text { If } x=\frac{1}{3}, y=1 \text { and } z=10 \\
& \quad(6 x-y)+z=27
\end{aligned}
$$

7b. Tick the substitution used for this expression if the value is 93 .

7a. Tick the substitution used for this expression if the value is 75.

| $r \times(p \times q)$ |  |
| :---: | :---: |
| $p=10, q=2.5, r=3$ |  |
| $p=10, q=3, r=2$ | $\square$ |

8 a . Who is correct?

$$
a=12 \text { and } b=6
$$



Jacob


Lily

$$
\begin{aligned}
& 4 q-r \\
& q=25, r=7 \\
& q=30, r=25
\end{aligned}
$$

8b. Who is correct?

$$
a=0.5, b=10 \text { and } c=9
$$



Tobias


Hafsa


