



Algebra



Substitution

1a. Match the children's calculations to their correct answers if $a = 4$ and $b = 5$.



Mo

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

10

90

30



Millie

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



VF

1b. Match the children's calculations to their correct answers if $a = 3$ and $b = 8$.



Evan

$$b - 2a$$

16

14

2



Mia

$$b + 2a$$



VF

2a. Circle the correct answer.

If $a = 10$ and $b = 5$,
 $2a + b = ?$

35

25

15



VF

2b. Circle the correct answer.

If $a = 7$ and $b = 15$,
 $2b - 2a = ?$

15

14

16



VF

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

$$a + 2b$$

A. $a = 100, b = 25$

B. $a = 25, b = 100$

C. $a = 50, b = 100$



VF

3b. Tick the substitution used for this expression if the value is 100.

$$a - 2b$$

A. $a = 200, b = 50$

B. $a = 50, b = 200$

C. $a = 150, b = 50$



VF

4a. Complete the calculations using the values below:

 = 2 and  = 10

A.  + 

B.  - 

C.  x 



VF

4b. Complete the calculations using the values below:

 = 3 and  = 5

A.  - 

B.  + 

C.  x 



VF

1. Work out the values of the expressions by substituting the following.

$$r = 2$$

$$s = 4$$

$$t = 6$$

$$A. 5s + r = \square$$

$$C. t \div r = \square$$

$$B. 2t - s = \square$$

$$D. 2s - 7 = \square$$



VF
HW/Ext

2. Find the odd one out that gives an answer less than 5.

$$d = 3$$

$$e = 2$$

$$f = 5$$

$$A. 3f - 9 = \square$$

$$B. 2e + d = \square$$

$$C. 4d \div 2 = \square$$



VF
HW/Ext

3. For each of the statements below say whether you agree or disagree.

A. The value 3 solves the equation $4q + 4 = 16$

B. The value 7 solves the equation $2c - 6 = 9$

Explain your reasoning.



RPS
HW/Ext