



Algebra

Substitution

5a. Match the children's calculations to their correct answers if $a = 6$ and $b = 1.5$.



$$2a + (a \times b)$$

18



$$2a + (a - b)$$

16.5

21



VF

5b. Match the children's calculations to their correct answers if $a = 10$ and $b = 2.5$.



$$a \times b$$

7.5



$$a - b$$

25

5.5



VF

6a. Circle the correct answer.

If $d = 10$, $e = 2$ and $f = 5$,
 $3d + e + f = ?$

35

27

37



VF

6b. Circle the correct answer.

If $a = \frac{1}{3}$, $b = 1$ and $c = 10$,
 $2b + 3a = ?$

3

9

5



VF

7a. Tick the substitution used for this expression if the value is 40.

$$r \times (r \times q)$$

A. $q = 2.5$, $r = 4$

B. $q = 25$, $r = 4.5$

C. $q = 5$, $r = 40.5$



VF

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

$$4q - r$$

A. $q = 7$, $r = 30$

B. $q = 30$, $r = 25$

C. $q = 25$, $r = 7$



VF

8a. Complete the calculations using the values below:

★ = 5 and ● = 2

A. ★ ÷ ● + ●

B. ● × ★ + ●

C. ★ + ★ + ★



VF

8b. Complete the calculations using the values below:

◆ = 0.5 and ☾ = 8

A. ◆ × ☾ + ◆

B. ◆ + ◆ + ☾

C. ☾ - ◆ + ☾



VF

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

$$p = 3.25 \quad q = 4 \quad r = \frac{1}{2}$$

A. $3p + 4r = \square$

C. $q \div r = \square$

B. $2q - p = \square$

D. $pq - 2.5r = \square$



VF
HW/Ext

5. Find the odd one out that gives an answer > 5 .

$$h = 6 \quad j = 7.5 \quad k = \frac{1}{4}$$

A. $2h - 8 = \square$

B. $2j + 7k = \square$

C. $3h - 2k = \square$



VF
HW/Ext

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

A. The value 1.25 solves the equation $22 - 2x = 18$

B. The value 2.5 solves the equation $13 + 3y = 20\frac{1}{2}$

Explain your reasoning.



RPS
HW/Ext