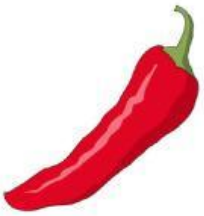

Algebra

Substitution

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

Jacob

$2a + (a \times b)$

Lily

$2a + (a - b)$

18

16.5

21

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

Tobias

$a \times b$

Hafsa

$a - b$

7.5

25

5.5

6a. Circle the correct answer.

If $d = 10$, $e = 2$ and $f = 5$,

$3d + e + f = ?$

35 27 37

6b. Circle the correct answer.

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

$2b + 3a = ?$

3 9 5

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. $q = 5$, $r = 40.5$ ☐

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. $q = 25$, $r = 7$ ☐

8a. Complete the calculations using the values below:

★ = 5 and ● = 2

A. ★ ÷ ● + ●

B. ● x ★ + ●

C. ★ + ★ + ★

8b. Complete the calculations using the values below:

◆ = 0.5 and ☾ = 8

A. ◆ x ☾ + ◆

B. ◆ + ◆ + ☾

C. ☾ – ◆ + ☾

LIVEWORKSHEETS

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

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

A. $3p + 4r =$ ☐

C. $q \div r =$ ☐

B. $2q - p =$ ☐

D. $pq - 2.5r =$ ☐

VF
HW/Ext

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

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

A. $2h - 8 =$ ☐

B. $2j + 7k =$ ☐

C. $3h - 2k =$ ☐

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

LIVEWORKSHEETS