

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

Substitution

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. ★ + ★ + ★



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8b. Complete the calculations using the values below:

◆ = 0.5 and ☾ = 8

A. ◆ × ☾ + ◆

B. ◆ + ◆ + ☾

C. ☾ - ◆ + ☾



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Substitution

9a. Match the children's calculations to their correct answers if $a = 1.25$, $b = 100$ and $c = 9$.



Jack

$$(3a \times b) - c$$

375



Ivy

$$(3a \times b) + c$$

366

384



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Substitution

9b. Match the children's calculations to their correct answers if $a = 0.2$, $b = 25$ and $c = 10$.



Will

$$5a \times (3b - c)$$

65



Lucy

$$5a \times (3b + c)$$

85

75



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10a. Circle the correct answer.

If $c = 5.1$, $d = 0.5$ and $e = 5$,
 $(3c + 2d) - 4e = ?$

3.7

-2.7

-3.7



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10b. Circle the correct answer.

If $c = \frac{1}{12}$, $d = 100$ and $e = 7.9$,
 $(12c \div d) + e = ?$

7.91

8.75

2.5



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11a. Tick the substitution used for this expression if the value is 54.6.

$$(a \div c) + 5b$$

A. $a = 2.5$, $b = 10$, $c = 2$

B. $a = 2.3$, $b = 10$, $c = 0.5$

C. $a = 2.4$, $b = 10$, $c = 1$



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11b. Tick the substitution used for this expression if the value is 176.

$$(a - 5b) \times c$$

A. $a = 25$, $b = 0.6$, $c = 8$

B. $a = 30$, $b = 0.8$, $c = 9$

C. $a = 25$, $b = 0.8$, $c = 6$



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12a. Complete the calculations using the values below:

★ = 0.25 and ▲ = 0.5

A. $(8 \text{ ▲} \div 10) - \text{★}$

B. $(4 \text{ ▲} + 2 \text{ ★}) + \text{★}$

C. $10 \text{ ★} + 10 \text{ ▲} + \text{▲}$



VF

12b. Complete the calculations using the values below:

★ = -2 and ▲ = 8

A. $(6 \text{ ★} + 2 \text{ ▲}) + \text{▲}$

B. $(5 \text{ ★} + 10 \text{ ▲}) + \text{▲}$

C. $4 \text{ ★} + 10 \text{ ▲} \div \text{▲}$



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