



11 + Practice Papers

Give your child *the best!*

**11+ VERBAL**  
**REASONING SAMPLE**

**TYPE 7**  
**(ALGEBRA SUMS)**

**Created by:**

**11practicepapers.co.uk**



Work out the answer to these algebraic substitutions sums.

**Example :**

If  $A = 1, B = 2, C = 3, D = 5, E = 6$

What is  $A + B + C = (?)$

**Answer : E**

**Question 1.**

If  $A = 32, B = 40, C = 8, D = 46, E = 44$

What is  $A \div C + B = ?$

**Question 2.**

If  $A = 13, B = 17, C = 3, D = 46, E = 8$

What is  $B \times C + E - D = ?$

**Question 3.**

If  $A = 47, B = 37, C = 6, D = 14, E = 25$

What is  $D \times C - A = ?$

**Question 4.**

If  $A = 9, B = 6, C = 5, D = 45, E = 19$

What is  $A \times C + B - D = ?$

**Question 5.**

If  $A = 18, B = 4, C = 54, D = 9, E = 10$

What is  $B + C \div D = ?$

**Question 6.**

$A = 6, B = 12, C = 18, D = 90, E = 10$

$D \div E \times B - A - D = ?$

**Question 7.**

$A = 6, B = 9, C = 4, D = 42, E = 15$

$D - A \times C - B = ?$

**Question 8.**

$A = 15, B = 2, C = 0, D = 7, E = 88$

$E \times B \times D \times C = ?$

**Question 9.**

$A = 9, B = 7, C = 19, D = 18, E = 43$

$B \times A + D - C - E = ?$

**Question 10.**

$A = 4, B = 22, C = 10, D = 0, E = 2$

$C \times A \div E \times D + B = ?$

**Question 11.**

If  $A = 4, B = 9, C = 8, D = 35, E = 14$

What is  $C + E + B + A = ?$

**Question 12.**

If  $A = 5, B = 2, C = 6, D = 5, E = 4$

What is  $D \times C \div A - B = ?$

# TYPE – 7 (ALGEBRA SUMS)



QUESTION	ANSWERS
1.	E $32 \div 8 + 40$ $= 4 + 40$ $= 44$
2.	A $17 \times 3 + 8 - 46$ $= 51 + 8 - 46$ $= 59 - 46$ $= 13$
3.	B $14 \times 6 - 47$ $= 84 - 47$ $= 37$
4.	B $9 \times 5 + 6 - 45$ $= 45 + 6 - 45$ $= 51 - 45$ $= 6$
5.	E $4 + 54 \div 9$ $= 4 + 6$ $= 10$
6.	B $90 \div 10 \times 12 - 6 - 90$ $= 9 \times 12 - 6 - 90$ $= 108 - 6 - 90$ $= 102 - 90$ $= 12$

QUESTION	ANSWERS
7.	B $42 - 6 \times 4 - 9$ $= 42 - 24 - 9$ $= 18 - 9$ $= 9$
8.	C $88 \times 2 \times 7 \times 0$ $= 0$
9.	C $7 \times 9 + 18 - 19 - 43$ $= 63 + 18 - 19 - 43$ $= 81 - 19 - 43$ $= 62 - 43$ $= 19$
10.	B $10 \times 4 \div 2 \times 0 + 22$ $= 40 \div 2 \times 0 + 22$ $= 20 \times 0 + 22$ $= 0 + 22$ $= 22$
11.	D $8 + 14 + 9 + 4$ $= 22 + 9 + 4$ $= 31 + 4$
12.	E $5 \times 6 \div 5 - 2$ $= 30 \div 5 - 2$ $= 6 - 2$ $= 4$