



# Year 7

# Summer Work

- This booklet should be completed without the use of a calculator.
- You must show working out for section A in the spaces provided.
- You may wish to do working out for section B on rough paper.

Name: \_\_\_\_\_

**Section A:**

1)  $3.005 + 6.12$

2)  $125.48 - 72.3$

3)  $879 \times 3$

4)  $96 \div 4$

5)  $71 \times 46$

6)  $1320 \div 12$

7)  $574 \times 31$

8)  $725 \div 29$

**Section B:**

1) Add each pair of numbers and write each answer in the box below.

**a**

309	217	496	718
526			

**b**

2318	643	82	728	4315

2) Complete these multiplication squares:

**a**

×			6		
				36	
		18			
			42		
				45	10
	72	27			

**b**

×					
			36	45	
		21		15	
		56			64
	24				
	42	49			

3) Complete the cross number:

1		2		3	4
				5	
6			7		
		8			9
10	11		12		
13					

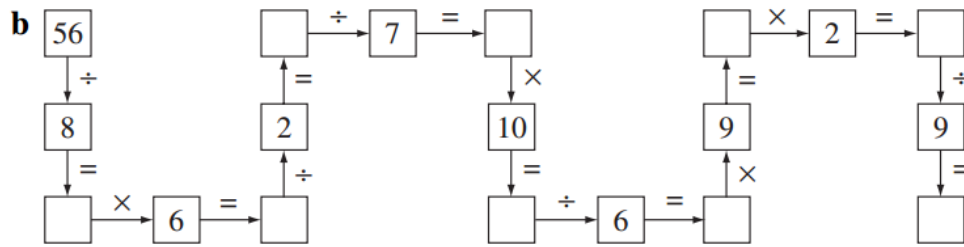
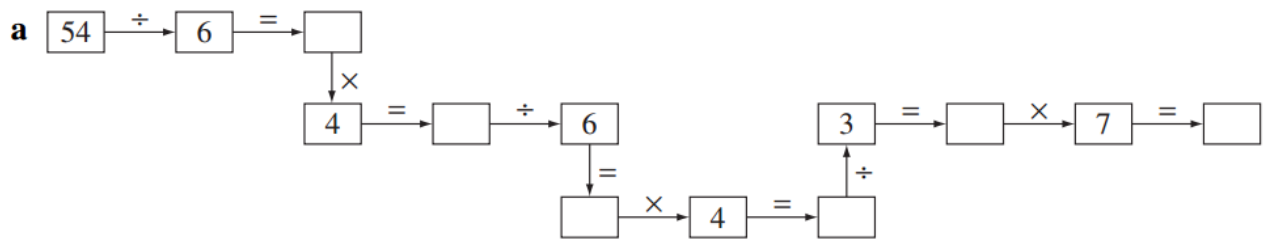
**Clues across**

1.  $139 + 324 - 217$
3.  $3 \times 3 \times 3$
5.  $123 - 64$
6.  $32654 + 21897 + 30185$
8.  $71 - 42$
10. A quarter of 272
12.  $56 \times 9 + 130$
13.  $2653 + 4186 - 1099$

**Clues down**

1.  $38 \times 6$
2.  $8520 - 2148$
3.  $4 \times 4 \times 4 \times 4$
4. Half of 158
7.  $(539 \times 7) + 187$
9.  $27 \times 9$
10.  $418 - 353$
11.  $3218 - 3131$

4) Complete these number chains:



5) Complete the multiplication squares. The numbers outside the square are always 2, 3, 4, 5, 6, 7, 8, 9.

**a**

	4	3	8	
9		27		
6				30
			16	
7				

**b**

	7	2	
			12
4	12		20
			40
	63		

**c**

	6		
		15	
	48		
8		12	36

**d**

	18	10	
	36		
		40	24
		30	

**Challenge (optional)**

Using the numbers 3, 5, 5 once each (you don't have to use them all), with +, −, ×, ÷ available, which FOUR numbers from the following list are NOT mathematically possible to make:

- 1 4 7 10 13 15 18 20 22 25 28 30