Holiday homework – class IV

MATHEMATICS

SUDOKU PUZZLES

Fill the blanks using numbers 1 to 4 (for the first three puzzles) 1 to 6 (for the last puzzle). Every row, column and inner box must contain all specified digits with no number repeated.

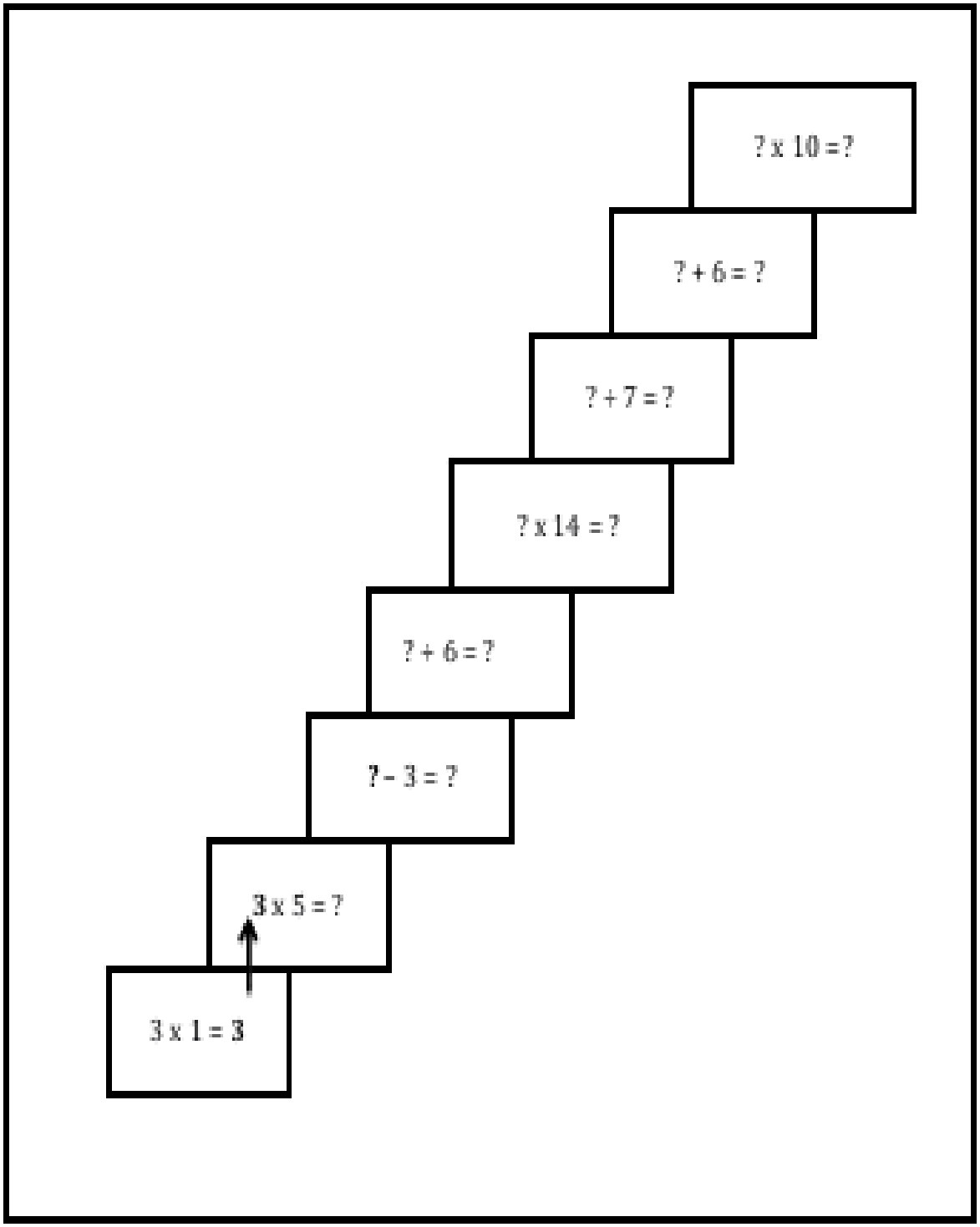
		4	
1			
			3
	1		

		2	1
1	2		
2		3	4
	4		

	2	4	
1			3
4			2
	1	3	

			1		6
6		4			
1		2			
			5		1
			6		3
5		6			

SOLVE EACH BLOCK TO GET TO THE TOP



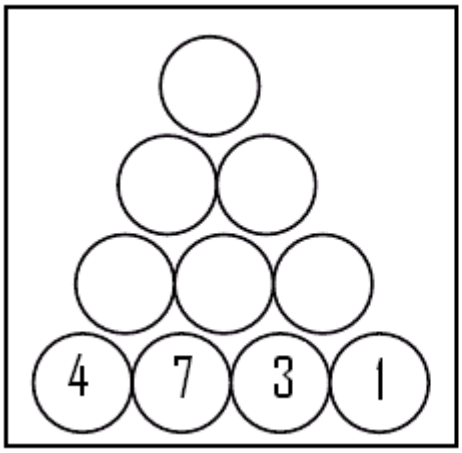
Add all columns and rows to fill in the blocks. Circle the greatest number that is summed up.

4	1	5	2	
6	1	1	5	
4	8	2	2	
3	3	1	0	

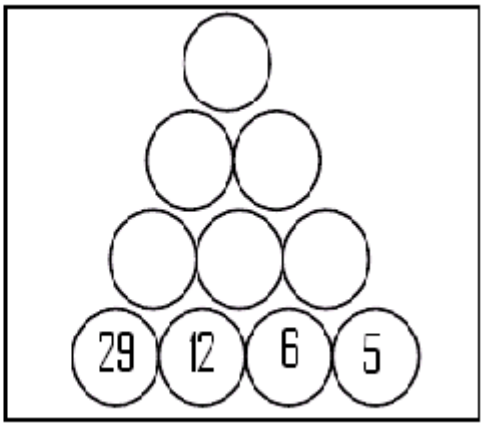
Use addition and multiplication sign in each box to get an answer of '15'

3 ___3 ___6	
	7 ___2 ___4
3 ___4 ___ 3	
	5 ___3 ___ 0
2 ___5 ___5	
	8 ___1 ___ 6
7 ___2 ___ 1	

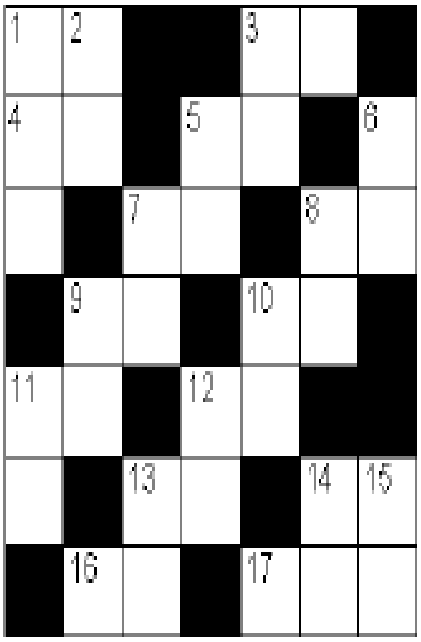
Add to the top



Subtract to the top



Across	Down
1. 1 x 11	1. 11 x 11
3. 7 x 3	2. 2 x 5
4. 4 x 5	3. 2 x 12
5. 7 x 2	5. 2 x 6
7. 8 x 9	6. 3 x 5
8. 11 x 5	7. 10 x 7
9. 6 x 10	8. 10 x 5
10. 5 x 6	9. 9 x 7
11. 11 x 3	10. 8 x 4
12. 7 x 6	11. 7 x 5
13. 9 x 6	12. 4 x 11
14. 7 x 12	13. 8 x 7
16. 6 x 11	14. 9 x 9
17. 11 x 10	15. 5 x 8



The Golden Rule Cryptoquip

1=O	8=A	15=E	22=K
2=H	9=V	16=X	23=R
3=B	10=T	17=G	24=W
4=L	11=J	18=D	25=U
5=Q	12=C	19=P	26=Z
6=M	13=S	20=I	
7=F	14=N	21=Y	

T R E A T
10 23 15 8 10 — 1 10 2 15 23 13

8 13 — 21 1 25 — 24 1 25 4 18

4 20 22 15 — 10 2 15 6 — 10 1

10 23 15 8 10 — 21 1 25

1. 5 x 5 = 25

55 x 5 = 275

555 x 5 =2775

5555 x 5 =_____

a) 2757575 b) 27777 c) 27775 d)277775

2. Complete the pattern: 1, 3, 5 , 7, 9, 11,13,15, _____, _____

a) 17,20 b)16,17 c) 17,19 d) None of these

The following pictograph shows how many cars were washed at the washing centre of a service station during four days of a week.

One  represents 5 cars

Monday	
Tuesday	
Wednesday	
Thursday	

1. On which day were the maximum numbers of cars washed?

2. On which day were the minimum numbers of cars washed?

3. How many total cars were washed on Monday and Thursday altogether?

Vertical rows, horizontal rows and diagonals all add up to the same amount in magic square. This total is known as the magic number or constant. Write the magic number in the bubble shown below.

Example: