Adding 3 Numbers Challenge

Parents: In year 2, children begin to learn techniques for rapid mental maths. They will already have been taught pairs of numbers (number bonds) that make 5, 10 and 20, and are now beginning to use this knowledge to add 3 (or more) single-digit numbers – for example, with the sum 7 + 4 + 3, children know that 7 + 3 = 10, so can then quickly calculate 10 + 4 = 14 and if they know that 9 + 1 = 10, they will also learn that 8 + 1 is one less, and so on. What they are aiming for is speed and accuracy, so a timed challenge is a brilliant way of doing this. Number squares like this are easy to construct if you want to repeat the challenge or feel your child needs more practice or more of a challenge with harder calculations.

Adding 3 Numbers Challenge

Find the totals of each row and column. How many can you complete correctly in 1 minute? What about 5 minutes? Get your helper to time you, or have a competition with a friend.

1.

9	4	6	
1	4	6	
3	2	1	

2.

7	8	3	
3	2	9	
5	8	9	

3.

2	8	9	
4	3	6	
3	2	4	

4.

4	1	2	
1	5	9	
5	5	6	

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5.

4	5	6	
3	5	7	
7	2	3	

6.

8	9	0	
6	4	7	
4	6	9	

7.

2	5	5	
3	5	7	
1	7	9	

8.

2	8	9	
6	7	4	
4	2	6	

9.

4	6	7	
8	2	9	
4	5	5	

10.

3	6	8	
7	4	6	
4	4	2	

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11.

3	4	7	
3	7	9	
5	5	6	

12.

9	1	5	
3	3	3	
4	7	6	

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Answers

1.

9	4	6	**19**
1	4	6	**11**
3	2	1	**6**
13	**10**	**13**	

2.

7	8	3	**18**
3	2	9	**14**
5	8	9	**22**
15	**18**	**21**	

3.

2	8	9	**19**
4	3	6	**13**
3	2	4	**9**
9	**13**	**19**	

4.

4	1	2	**7**
1	5	9	**15**
5	5	6	**16**
10	**11**	**17**	

5.

4	5	6	**15**
3	5	7	**15**
7	2	3	**12**
14	**12**	**16**	

6.

8	9	0	**17**
6	4	7	**17**
4	6	9	**19**
18	**19**	**16**	

Adding 3 Numbers Challenge
Answers

7.

2	5	5	**12**
3	5	7	**15**
1	7	9	**17**
6	**17**	**21**	

8.

2	8	9	**19**
6	7	4	**17**
4	2	6	**12**
12	**17**	**19**	

9.

4	6	7	**17**
8	2	9	**19**
4	5	5	**14**
16	**13**	**21**	

10.

3	6	8	**17**
7	4	6	**17**
4	4	2	**10**
14	**14**	**16**	

11.

3	4	7	**14**
3	7	9	**19**
5	5	6	**16**
11	**16**	**22**	

12.

9	1	5	**15**
3	3	3	**9**
4	7	6	**17**
16	**11**	**14**	