



# MATHEMATICS



**N.S. Yr. 4 P.44**

**Using known number facts and place value to  
add or subtract pairs of numbers mentally.**

## Equipment

Paper, pencil.

# MathSphere

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### **Concepts**

Children should be familiar with addition of two-digit addition and subtraction involving multiples of 10. Eg.  $80 + 30$  or  $250 - 60$

They should be able to add or subtract multiples of 100, crossing 1000.

Eg.  $600 + 900$  or  $1\,400 - 800$ .

They should be able to add/subtract a two digit multiple of ten to/from a two or three digit number without crossing the hundreds boundary. Eg.  $65 + 20$  or  $669 - 40$ .

They should be able to add a two or three digit number to a multiple of 10, 100 or 1 000. Eg.  $70 + 16$  or  $560 + 32$ .

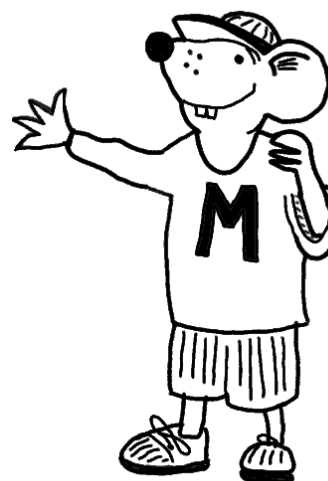
They should also be able to complete statements such as  $\square + 4\,500 = 5\,000$

If children are not confident with this work, they would do well to complete module 4042 first.

- |                 |                |
|-----------------|----------------|
| 1. $30 + 60$    | 21. $160 - 60$ |
| 2. $150 + 30$   | 22. $350 - 80$ |
| 3. $130 + 40$   | 23. $260 - 30$ |
| 4. $270 + 20$   | 24. $100 - 60$ |
| 5. $340 + 20$   | 25. $140 - 30$ |
| 6. $450 + 40$   | 26. $230 - 40$ |
| 7. $500 + 20$   | 27. $80 - 50$  |
| 8. $40 + 60$    | 28. $140 - 70$ |
| 9. $30 + 80$    | 29. $90 - 60$  |
| 10. $60 + 50$   | 30. $150 - 20$ |
| 11. $270 + 60$  | 31. $310 - 70$ |
| 12. $90 + 130$  | 32. $140 - 60$ |
| 13. $340 + 20$  | 33. $430 - 10$ |
| 14. $310 + 90$  | 34. $900 - 10$ |
| 15. $730 + 60$  | 35. $520 - 20$ |
| 16. $30 + 180$  | 36. $180 - 40$ |
| 17. $270 + 40$  | 37. $180 - 50$ |
| 18. $410 + 80$  | 38. $570 - 40$ |
| 19. $420 + 70$  | 39. $340 - 60$ |
| 20. $440 + 160$ | 40. $310 - 10$ |

Okay, guys. See how quickly you can do these.

Don't forget to work accurately. Can you get them all correct?



- |                 |                |
|-----------------|----------------|
| 1. $40 + 50$    | 21. $190 - 70$ |
| 2. $230 + 50$   | 22. $290 - 40$ |
| 3. $430 + 20$   | 23. $380 - 90$ |
| 4. $180 + 10$   | 24. $240 - 50$ |
| 5. $520 + 60$   | 25. $320 - 30$ |
| 6. $840 + 40$   | 26. $540 - 80$ |
| 7. $420 + 30$   | 27. $70 - 20$  |
| 8. $840 + 30$   | 28. $260 - 80$ |
| 9. $120 + 50$   | 29. $130 - 70$ |
| 10. $80 + 10$   | 30. $180 - 80$ |
| 11. $340 + 40$  | 31. $240 - 90$ |
| 12. $70 + 40$   | 32. $340 - 50$ |
| 13. $340 + 20$  | 33. $980 - 70$ |
| 14. $470 + 20$  | 34. $450 - 30$ |
| 15. $950 + 30$  | 35. $520 - 40$ |
| 16. $750 + 40$  | 36. $260 - 70$ |
| 17. $380 + 30$  | 37. $150 - 60$ |
| 18. $750 + 40$  | 38. $420 - 40$ |
| 19. $640 + 30$  | 39. $280 - 70$ |
| 20. $730 + 130$ | 40. $290 - 80$ |

Some more easy sums!

Be prepared to explain how you did them.



Without doing any written working, say which numbers go in the boxes:

1.  $40 + \square = 120$

16.  $120 - \square = 20$

2.  $70 + \square = 150$

17.  $130 - \square = 50$

3.  $\square + 80 = 160$

18.  $\square - 90 = 40$

4.  $90 + \square = 230$

19.  $100 - \square = 70$

5.  $120 + \square = 200$

20.  $240 - \square = 30$

6.  $90 + \square = 200$

21.  $300 - \square = 210$

7.  $180 + \square = 200$

22.  $190 - \square = 110$

8.  $70 + \square = 150$

23.  $90 - \square = 20$

9.  $50 + \square = 120$

24.  $80 - \square = 20$

10.  $\square + 50 = 130$

25.  $\square - 80 = 40$

11.  $170 + \square = 220$

26.  $140 - \square = 110$

12.  $90 + \square = 160$

27.  $140 - \square = 30$

13.  $60 + \square = 200$

28.  $250 - \square = 180$

14.  $170 + \square = 230$

29.  $500 - \square = 310$

15.  $300 + \square = 470$

30.  $190 - \square = 90$

Say which numbers  
go in the boxes?

Don't you mean -  
'Write them down'?



Without doing any written working, say which numbers go in the boxes:

1.  $80 + \square = 400$

16.  $340 - \square = 60$

2.  $50 + \square = 130$

17.  $180 - \square = 70$

3.  $\square + 20 = 190$

18.  $\square - 60 = 60$

4.  $70 + \square = 160$

19.  $210 - \square = 80$

5.  $230 + \square = 300$

20.  $320 - \square = 40$

6.  $80 + \square = 400$

21.  $180 - \square = 90$

7.  $200 + \square = 270$

22.  $210 - \square = 200$

8.  $60 + \square = 500$

23.  $70 - \square = 30$

9.  $60 + \square = 190$

24.  $60 - \square = 50$

10.  $\square + 70 = 120$

25.  $\square - 70 = 80$

11.  $230 + \square = 260$

26.  $270 - \square = 200$

12.  $50 + \square = 180$

27.  $310 - \square = 20$

13.  $10 + \square = 300$

28.  $700 - \square = 100$

14.  $230 + \square = 400$

29.  $260 - \square = 220$

15.  $190 + \square = 360$

30.  $300 - \square = 50$

We Maths rats can  
do these FAST!



Without doing any written working, answer these questions.

1.  $400 + 800$

16.  $200 + \square = 1\,100$

2.  $500 + 600$

17.  $800 + \square = 1\,700$

3.  $400 + 900$

18.  $\square + 300 = 1\,200$

4.  $800 + 700$

19.  $700 + \square = 1\,400$

5.  $300 + 800$

20.  $500 + \square = 1\,300$

6.  $900 + 300$

21.  $\square + 800 = 1\,400$

7.  $1\,200 + 800$

22.  $900 + \square = 1\,300$

8.  $1\,200 + 900$

23.  $800 + \square = 1\,500$

9.  $1\,200 - 1\,000$

24.  $1\,300 - \square = 500$

10.  $1\,300 - 700$

25.  $\square - 700 = 900$

11.  $1\,600 - 700$

26.  $1\,400 - \square = 800$

12.  $1\,500 - 800$

27.  $1\,400 - \square = 500$

13.  $2\,600 - 900$

28.  $\square - 700 = 700$

14.  $3\,600 - 900$

29.  $1\,500 - \square = 800$

15.  $1\,600 - 900$

30.  $1\,600 - \square = 800$

You will need  
your thinking  
caps on for these.

These sums cross  
over the  
thousands.

Good luck!



Without doing any written working, answer these questions.

1.  $600 + 900$

16.  $600 + \square = 1\,200$

2.  $300 + 800$

17.  $400 + \square = 1\,100$

3.  $400 + 900$

18.  $\square + 900 = 1\,300$

4.  $700 + 800$

19.  $800 + \square = 1\,500$

5.  $500 + 600$

20.  $900 + \square = 1\,400$

6.  $700 + 800$

21.  $\square + 900 = 1\,600$

7.  $1\,500 + 700$

22.  $300 + \square = 1\,100$

8.  $1\,400 + 800$

23.  $500 + \square = 1\,200$

9.  $1\,600 - 1\,200$

24.  $1\,200 - \square = 800$

10.  $1\,700 - 900$

25.  $\square - 800 = 400$

11.  $1\,300 - 800$

26.  $1\,200 - \square = 600$

12.  $1\,400 - 500$

27.  $1\,100 - \square = 500$

13.  $3\,500 - 800$

28.  $\square - 800 = 300$

14.  $3\,400 - 700$

29.  $1\,200 - \square = 900$

15.  $1\,700 - 800$

30.  $1\,300 - \square = 600$

I expect you are getting the hang of these now.

You'll fly through them - like me!





Without doing any written working, give the answers to these questions:

1.  $47 + 50$

16.  $65 + \square = 95$

2.  $63 + 30$

17.  $53 + \square = 93$

3.  $456 + 40$

18.  $\square + 30 = 87$

4.  $263 + 20$

19.  $35 + \square = 75$

5.  $615 + 80$

20.  $56 + \square = 86$

6.  $670 + 20$

21.  $\square + 40 = 97$

7.  $162 + 30$

22.  $45 + \square = 75$

8.  $47 + 40$

23.  $88 + \square = 98$

9.  $573 - 20$

24.  $78 - \square = 28$

10.  $420 - 10$

25.  $\square - 60 = 230$

11.  $749 - 30$

26.  $36 - \square = 20$

12.  $893 - 80$

27.  $98 - \square = 38$

13.  $142 - 20$

28.  $\square - 30 = 56$

14.  $890 - 90$

29.  $77 - \square = 37$

15.  $739 - 20$

30.  $99 - \square = 19$

Simple stuff - just  
tens and units  
really!



Without doing any written working, give the answers to these questions:

1.  $38 + 40$

16.  $36 + \square = 86$

2.  $27 + 60$

17.  $22 + \square = 82$

3.  $243 + 50$

18.  $\square + 60 = 99$

4.  $532 + 50$

19.  $73 + \square = 93$

5.  $904 + 70$

20.  $56 + \square = 76$

6.  $523 + 40$

21.  $\square + 20 = 56$

7.  $512 + 50$

22.  $12 + \square = 52$

8.  $73 + 20$

23.  $73 + \square = 83$

9.  $351 - 30$

24.  $90 - \square = 30$

10.  $529 - 10$

25.  $\square - 40 = 150$

11.  $888 - 60$

26.  $49 - \square = 29$

12.  $483 - 30$

27.  $53 - \square = 13$

13.  $667 - 50$

28.  $\square - 80 = 111$

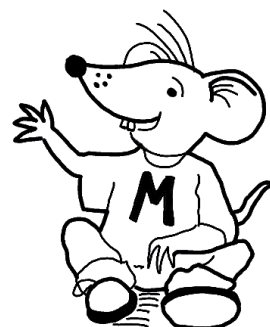
14.  $663 - 40$

29.  $95 - \square = 55$

15.  $476 - 60$

30.  $48 - \square = 30$

You will need to think carefully about the tens column with these.



Without doing any written working, give the answers to these questions:

1.  $80 + 13$

16.  $340 + \square = 356$

2.  $630 + 25$

17.  $270 + \square = 295$

3.  $400 + 355$

18.  $\square + 32 = 482$

4.  $5\,000 + 413$

19.  $670 + \square = 691$

5.  $70 + 23$

20.  $340 + \square = 373$

6.  $460 + 26$

21.  $\square + 39 = 789$

7.  $600 + 234$

22.  $140 + \square = 478$

8.  $6\,000 + 633$

23.  $25 + \square = 325$

9.  $60 + 27$

24.  $56 + \square = 366$

10.  $450 + 18$

25.  $\square + 47 = 267$

11.  $500 + 273$

26.  $260 + \square = 282$

12.  $7\,000 + 622$

27.  $150 + \square = 196$

13.  $80 + 15$

28.  $\square + 44 = 194$

14.  $600 + 133$

29.  $120 + \square = 184$

15.  $3\,000 + 742$

30.  $320 + \square = 366$

Quite a mixed bunch of questions here. You will need to think hard about the tens and hundreds.



Me thinking hard!

Without doing any written working, give the answers to these questions:

1.  $40 + 36$

16.  $560 + \square = 573$

2.  $450 + 25$

17.  $350 + \square = 392$

3.  $200 + 479$

18.  $\square + 14 = 374$

4.  $7\,000 + 744$

19.  $430 + \square = 458$

5.  $80 + 17$

20.  $450 + \square = 487$

6.  $270 + 28$

21.  $\square + 26 = 636$

7.  $200 + 255$

22.  $370 + \square = 385$

8.  $1\,000 + 837$

23.  $73 + \square = 393$

9.  $50 + 37$

24.  $16 + \square = 256$

10.  $730 + 65$

25.  $\square + 36 = 436$

11.  $400 + 544$

26.  $760 + \square = 779$

12.  $8\,000 + 287$

27.  $170 + \square = 187$

13.  $20 + 37$

28.  $\square + 27 = 487$

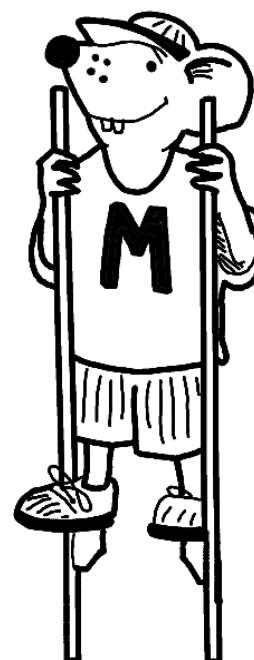
14.  $200 + 387$

29.  $150 + \square = 193$

15.  $6\,000 + 739$

30.  $520 + \square = 564$

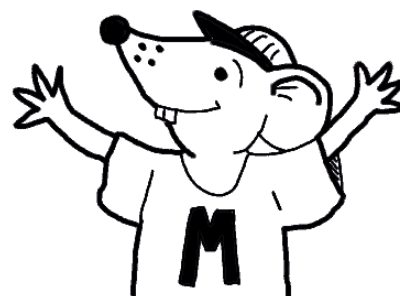
When you have done these, you can try my stilts!



Without doing any written working, give the answers to these questions:

1. What must be added to 56 to make 100 ?
2. What must be added to 376 to make 400 ?
3. What must be added to 622 to make 700 ?
4. What must be added to 99 to make 100 ?
5. What must be added to 623 to make 700 ?
6. What must be added to 274 to make 300 ?
7. What must be added to 846 to make 900 ?
8. What must be added to 238 to make 300 ?
9. What must be added to 555 to make 600 ?
10.  $532 + \square = 600$
11.  $835 + \square = 900$
12.  $726 + \square = 800$
13.  $79 + \square = 100$
14.  $476 + \square = 500$
15.  $375 + \square = 400$

This is a nice easy page to relax you. This should be a piece of cake after page 12 !



I do wish you would stop mentioning CAKE !

Without doing any written working, give the answers to these questions:

1. What must be added to 473 to make 500 ?
2. What must be added to 593 to make 600 ?
3. What must be added to 733 to make 800 ?
4. What must be added to 671 to make 700 ?
5. What must be added to 844 to make 900 ?
6. What must be added to 387 to make 400 ?
7. What must be added to 483 to make 500 ?
8. What must be added to 173 to make 200 ?
9. What must be added to 855 to make 900 ?
10.  $873 + \square = 900$
11.  $283 + \square = 300$
12.  $666 + \square = 700$
13.  $836 + \square = 900$
14.  $427 + \square = 500$
15.  $883 + \square = 900$

What did the Maths  
Rat say after someone  
ate his cake?



Crumbs!

Without doing any written working, give the answers to these questions:

1. What must be added to 4 200 to make 5 000 ?

2. What must be added to 8 500 to make 9 000 ?

3. What must be added to 7 600 to make 8 000 ?

4. What must be added to 4 100 to make 5 000 ?

5. What must be added to 8 400 to make 9 000 ?

6. What must be added to 6 300 to make 7 000 ?

7. What must be added to 7 900 to make 8 000 ?

8. What must be added to 5 500 to make 6 000 ?

9. What must be added to 8 400 to make 9 000 ?

10.  $2\,300 + \square = 3\,000$

11.  $7\,600 + \square = 8\,000$

12.  $4\,500 + \square = 5\,000$

13.  $2\,200 + \square = 3\,000$

14.  $8\,800 + \square = 9\,000$

15.  $5\,600 + \square = 6\,000$

Big numbers!

Think carefully how you are going to do these.

Which is the best method?



Without doing any written working, give the answers to these questions:

1. What must be added to 8 300 to make 9 000 ?
2. What must be added to 4 800 to make 5 000 ?
3. What must be added to 3 200 to make 4 000 ?
4. What must be added to 5 500 to make 6 000 ?
5. What must be added to 3 900 to make 4 000 ?
6. What must be added to 2 800 to make 3 000 ?
7. What must be added to 1 700 to make 2 000 ?
8. What must be added to 4 500 to make 5 000 ?
9. What must be added to 3 300 to make 4 000 ?

More thousands.

Keep practising and  
you will soon be on  
millions, trillions  
and zillions !!!!!



10.  $3\,800 + \square = 4\,000$

11.  $4\,600 + \square = 5\,000$

12.  $3\,800 + \square = 4\,000$

13.  $8\,900 + \square = 9\,000$

14.  $3\,700 + \square = 4\,000$

15.  $2\,100 + \square = 3\,000$



**Answers****Page 3**

1. 90	2. 180	3. 170	4. 290	5. 360	6. 490	7. 520
8. 100	9. 110	10. 110	11. 330	12. 220	13. 360	14. 400
15. 790	16. 210	17. 310	18. 490	19. 490	20. 600	21. 100
22. 270	23. 230	24. 40	25. 110	26. 190	27. 30	28. 70
29. 30	30. 130	31. 240	32. 80	33. 420	34. 890	35. 500
36. 140	37. 130	38. 530	39. 280	40. 300		

**Page 4**

1. 90	2. 280	3. 450	4. 190	5. 580	6. 880	7. 450
8. 870	9. 170	10. 90	11. 380	12. 110	13. 360	14. 490
15. 980	16. 790	17. 410	18. 790	19. 670	20. 860	21. 120
22. 250	23. 290	24. 190	25. 290	26. 460	27. 50	28. 180
29. 60	30. 100	31. 150	32. 290	33. 910	34. 420	35. 480
36. 190	37. 90	38. 380	39. 210	40. 210		

**Page 5**

1. 80	2. 80	3. 80	4. 140	5. 80	6. 110	7. 20
8. 80	9. 70	10. 80	11. 50	12. 70	13. 140	14. 60
15. 170	16. 100	17. 80	18. 130	19. 30	20. 210	21. 90
22. 80	23. 70	24. 60	25. 120	26. 30	27. 110	28. 70
29. 190	30. 100					

**Page 6**

1. 320	2. 80	3. 170	4. 90	5. 70	6. 320	7. 70
8. 440	9. 130	10. 50	11. 30	12. 130	13. 290	14. 170
15. 170	16. 280	17. 110	18. 120	19. 130	20. 280	21. 90
22. 10	23. 40	24. 10	25. 150	26. 70	27. 290	28. 600
29. 40	30. 250					

**Page 7**

1. 1 200	2. 1 100	3. 1 300	4. 1 500	5. 1 100	6. 1 200	7. 2 000
8. 2 100	9. 200	10. 600	11. 900	12. 700	13. 1 700	14. 2 700
15. 700	16. 900	17. 900	18. 900	19. 700	20. 800	21. 600
22. 400	23. 700	24. 800	25. 1 600	26. 600	27. 900	28. 1 400
29. 700	30. 800					

**Page 8**

1. 1 500	2. 1 100	3. 1 300	4. 1 500	5. 1 100	6. 1 500	7. 2 200
8. 2 200	9. 400	10. 800	11. 500	12. 900	13. 2 700	14. 2 700
15. 900	16. 600	17. 700	18. 400	19. 700	20. 500	21. 700
22. 800	23. 700	24. 400	25. 1 200	26. 600	27. 600	28. 1 100
29. 300	30. 700					

**Answers (Contd)****Page 9**

1. 97	2. 93	3. 496	4. 283	5. 695	6. 690	7. 192
8. 87	9. 553	10. 410	11. 719	12. 813	13. 122	14. 800
15. 719	16. 30	17. 40	18. 57	19. 40	20. 30	21. 57
22. 30	23. 10	24. 50	25. 290	26. 16	27. 60	28. 86
29. 40	30. 80					

**Page 10**

1. 78	2. 87	3. 293	4. 582	5. 974	6. 563	7. 562
8. 93	9. 321	10. 519	11. 828	12. 453	13. 617	14. 623
15. 416	16. 50	17. 60	18. 39	19. 20	20. 20	21. 36
22. 40	23. 10	24. 60	25. 190	26. 20	27. 40	28. 191
29. 40	30. 18					

**Page 11**

1. 93	2. 655	3. 755	4. 5 413	5. 93	6. 486	7. 834
8. 6 633	9. 87	10. 468	11. 773	12. 7 622	13. 95	14. 733
15. 3 742	16. 16	17. 25	18. 450	19. 21	20. 33	21. 750
22. 338	23. 300	24. 310	25. 220	26. 22	27. 46	28. 150
29. 64	30. 46					

**Page 12**

1. 76	2. 475	3. 679	4. 7 744	5. 97	6. 298	7. 455
8. 1 837	9. 87	10. 795	11. 944	12. 8 287	13. 57	14. 587
15. 6 739	16. 13	17. 42	18. 360	19. 28	20. 37	21. 610
22. 15	23. 320	24. 240	25. 400	26. 19	27. 17	28. 460
29. 43	30. 44					

**Page 13**

1. 44	2. 24	3. 78	4. 1	5. 77	6. 26	7. 54
8. 62	9. 45	10. 68	11. 65	12. 74	13. 21	14. 24
15. 25						

**Page 14**

1. 27	2. 7	3. 67	4. 29	5. 56	6. 13	7. 17
8. 27	9. 45	10. 27	11. 17	12. 34	13. 64	14. 73
15. 17						

**Page 15**

1. 800	2. 500	3. 400	4. 900	5. 600	6. 700	7. 100
8. 500	9. 600	10. 700	11. 400	12. 500	13. 800	14. 200
15. 400						

**Answers (Contd)****Page 16**

<b>1. 700</b>	<b>2. 200</b>	<b>3. 800</b>	<b>4. 500</b>	<b>5. 100</b>	<b>6. 200</b>	<b>7. 300</b>
<b>8. 500</b>	<b>9. 700</b>	<b>10. 200</b>	<b>11. 400</b>	<b>12. 200</b>	<b>13. 100</b>	<b>14. 300</b>
<b>15. 900</b>						