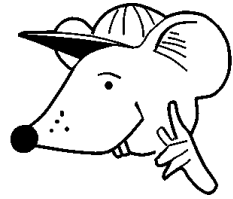


# MATHEMATICS



**N.S. Yr. 3 P.25**

**Understand addition.**

## Equipment

Paper, pencil  
0 - 9 cards  
number line

# MathSphere

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### Concepts

In year 3 children will continue to develop their understanding of addition, continuing to work with larger numbers, up to three digits.

The words below should be understood and written correctly.

*more add sum total altogether equals sign*

Also important is that the child can read and write the plus (+) sign and the equals (=) sign.

Most of this work can be done orally, with increasing speed of recall. Once the addition of single digits is secure, this knowledge can be applied to two digit and three digit problems with confidence.

Rapid recall is expected for answers up to 20. 'Rapid' means almost instant, where the child knows the answer rather than having to work it out.

A number line from 0 to 100 is a useful resource.

This work should be linked to work on subtraction, and addition should be understood as the reverse of subtraction.

It is also important to discuss how the sum has been done. Very often when working mentally it is easier to start with the tens and then add the units - the opposite to the usual pencil and paper method.

**Adding**

As continued re-inforcement of work done in year 2 a range of words can be used which all convey the meaning 'add'.

Try these types of questions, using 1 and 2 digit numbers.

1. 16 add 23
2. Add 18 to 22
3. What is the sum of 50 and 19 ?
4. What is the total of 36 and 24 ?
5. How many are 26 and 14 altogether?
6. Which two numbers make 40?
7. Which three numbers make 60?
8. What is 17 more than 15 ?



Repetition of these types of question will rapidly improve children's recall of number bonds. It is the basis of much that will follow.

If your child finds writing the numbers down difficult, use 0 to 9 cards and ask them to pick up the card which gives the correct answer.



## Addition

Add these and put the answers inside the shape.





1.  $14 + 15 =$   2.  $16 + 14 =$  

3.  $22 + 18 =$   4.  $12 + 16 =$  

5.  $25 + 15 =$   6.  $13 + 16 =$  

7.  $24 + 13 =$   8.  $32 + 14 =$  

9.  $27 + 11 =$   10.  $35 + 15 =$  



All correct I hope.

## Addition

Try adding these. I start with the tens and then add the units.



1.  $26 + 10 =$   2.  $17 + 13 =$

3.  $34 + 15 =$   4.  $28 + 11 =$

5.  $19 + 11 =$   6.  $14 + 26 =$

7.  $15 + 25 =$   8.  $13 + 23 =$

9.  $16 + 23 =$   10.  $17 + 23 =$



How did you do these?

Find two different answers  
for these sums.  
Write the sum in the boxes.



1.  $\square + \bigcirc = 30$  or  $\square + \bigcirc = 30$

2.  $\square + \bigcirc = 41$  or  $\square + \bigcirc = 41$

3.  $\square + \bigcirc = 52$  or  $\square + \bigcirc = 52$

4.  $\square + \bigcirc = 45$  or  $\square + \bigcirc = 45$

5.  $\square + \bigcirc = 60$  or  $\square + \bigcirc = 60$

**Making addition sums**

Find two ways of adding to get these answers.



1.  $\square + \bigcirc = 80$  or  $\square + \bigcirc = 80$

2.  $\square + \bigcirc = 44$  or  $\square + \bigcirc = 44$

3.  $\square + \bigcirc = 31$  or  $\square + \bigcirc = 31$

4.  $\square + \bigcirc = 70$  or  $\square + \bigcirc = 70$

5.  $\square + \bigcirc = 42$  or  $\square + \bigcirc = 42$

**Adding - written questions**

Write down the answers  
to these addition  
questions.

1. Add 25 to 45

2. Add 34 to 56

3. 34 add 16

4. 45 add 15

5. What is the sum of 36 and 14?

6. What is the sum of 32 and 18?

7. What is the total of 41 and 19?

8. What is the total of 18 and 32?

9. How many are 23 and 17 altogether?

10. How many are 27 and 13 altogether?



**Adding - written questions**

Write down the answers  
to these addition  
questions.

1. Add 33 to 44

2. Add 44 to 55

3. 28 add 15

4. 29 add 21

5. What is the sum of 23 and 18?

6. What is the sum of 36 and 14?

7. What is the total of 16 and 16?

8. What is the total of 26 and 15?

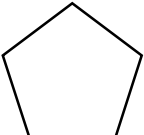

9. How many are 13 and 28 altogether?

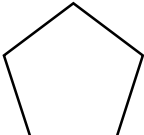

10. How many are 19 and 25 altogether?

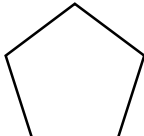

**Making 100 by adding**

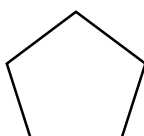

How many sums can you  
make that give the answer  
100 ?

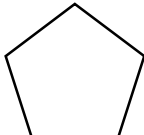

Try and find 10 ways  
below.

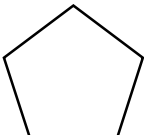

1.  + 

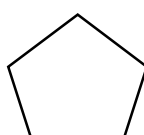

2.  + 

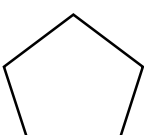

3.  + 

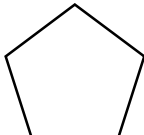

4.  + 

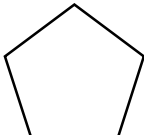

5.  + 

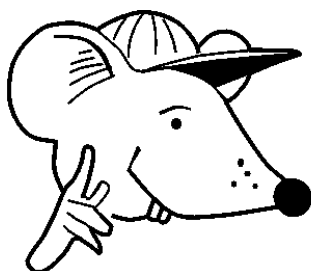
6.  + 

7.  + 

8.  + 

9.  + 

10.  + 

**Quick addition**

Write the answers to these addition sums as quickly as you can!

1.  $15 + 15 =$

2.  $14 + 13 =$

3.  $16 + 17 =$

4.  $17 + 14 =$

5.  $18 + 12 =$

6.  $18 + 15 =$

7.  $17 + 12 =$

8.  $16 + 13 =$

9.  $14 + 17 =$

10.  $15 + 12 =$

11.  $18 + 17 =$

12.  $17 + 16 =$

13.  $15 + 17 =$

14.  $14 + 18 =$

15.  $16 + 12 =$

16.  $18 + 10 =$

17.  $17 + 15 =$

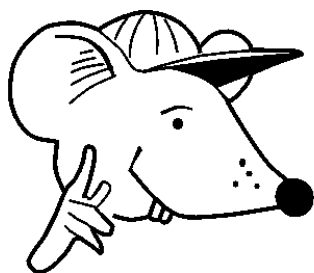
18.  $14 + 12 =$

19.  $15 + 16 =$

20.  $16 + 19 =$

How well did you do on these?  
Well, I hope!



**Quick addition**

Try these twenty addition sums. See how quickly you can complete them correctly!

1.  $17 + 16 =$

2.  $16 + 11 =$

3.  $14 + 16 =$

4.  $15 + 10 =$

5.  $18 + 13 =$

6.  $18 + 11 =$

7.  $17 + 10 =$

8.  $16 + 14 =$

9.  $14 + 11 =$

10.  $15 + 16 =$

11.  $18 + 19 =$

12.  $17 + 13 =$

13.  $14 + 19 =$

14.  $15 + 18 =$

15.  $16 + 16 =$

16.  $18 + 18 =$

17.  $17 + 19 =$

18.  $14 + 14 =$

19.  $15 + 19 =$

20.  $16 + 15 =$

If you got any wrong, check to see why.



**Answers****Page 4****1. 29    2. 30    3. 40    4. 28    5. 40    6. 29    7. 37    8. 46    9. 38    10. 50****Page 5****1. 36    2. 30    3. 49    4. 39    5. 30    6. 40    7. 40    8. 36    9. 39    10. 40****Page 6**Various options: 2 numbers making **1. 30    2. 41    3. 52    4. 45    5. 60****Page 7**Various options: 2 numbers making **1. 80    2. 44    3. 31    4. 70    5. 42****Page 8****1. 70    2. 90    3. 50    4. 60    5. 50    6. 50    7. 60    8. 50    9. 40    10. 40****Page 9****1. 77    2. 99    3. 43    4. 50    5. 41    6. 50    7. 32    8. 41    9. 41    10. 44****Page 10**

Various options: 2 numbers making 100

**Page 11****1. 30    2. 27    3. 33    4. 31    5. 30    6. 33    7. 29    8. 29    9. 31    10. 27  
11. 35    12. 33    13. 32    14. 32    15. 28    16. 28    17. 32    18. 26    19. 31    20. 35****Page 12****1. 33    2. 27    3. 30    4. 25    5. 31    6. 29    7. 27    8. 30    9. 25    10. 31  
11. 37    12. 30    13. 33    14. 33    15. 32    16. 36    17. 36    18. 28    19. 34    20. 31**