



MATHEMATICS



N.S. Yr. 3 P.33

**Use knowledge that addition can be done
in any order. Find a small difference.
Identify near doubles.**

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

In year 3 children should be encouraged to use a variety of strategies when adding, including:

Looking for pairs of numbers that make 10.

Looking for pairs of numbers that make 9 or 11.

Starting with the larger number and counting on, whichever way the sum is written or asked.

Use knowledge of doubles such as $6 + 6$.

Use knowledge of doubles to find near doubles and then add or subtract 1.

When finding the difference between two numbers which are quite close to each other eg 198 and 202 it is often easiest to start with the lower number and count on, rather than to start with the higher number and count back. Subtraction sums can often be made into 'counting on', or addition!

Add several numbers

When doing these
look for pairs of
numbers that add up
to 10.



1. $6 + 5 + 5 + 3 =$

2. $4 + 2 + 6 + 3 =$

3. $5 + 8 + 2 + 5 =$

4. $3 + 1 + 7 + 6 =$

5. $9 + 4 + 6 + 3 =$

6. $7 + 2 + 6 + 3 =$

Add several numbers

What's got teeth but
can't bite?



1. $2 + 6 + 8 + 1 =$

2. $6 + 0 + 6 + 4 =$

3. $5 + 6 + 5 + 2 =$

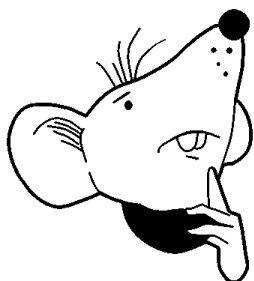
4. $3 + 4 + 7 + 1 =$

5. $9 + 1 + 2 + 3 =$

6. $7 + 6 + 2 + 3 =$

A comb!



Find the missing number

I'll give you a clue.
Two numbers should add up to a
multiple of 10.
Eg 10 or 20.

1. $13 + \square + 7 = 25$

2. $14 + \square + 6 = 24$

3. $13 + \square + 7 = 28$

4. $12 + \square + 8 = 21$

5. $17 + \square + 3 = 29$

6. $15 + \square + 5 = 26$

7. $19 + \square + 1 = 22$

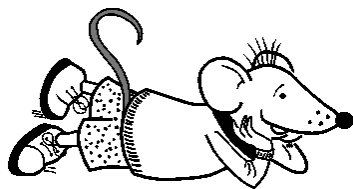
8. $11 + \square + 9 = 27$



How do you
make a sausage
roll?

Roll it!
(Oh well - you could
always ask your
teacher for a better
joke!)



Adding pairs of numbers

All these sums have pairs of numbers that make 9 or 11. Try adding 10 and adjusting by 1.

1. $19 + 22 =$

2. $72 + 19 =$

3. $15 + 46 =$

4. $67 + 14 =$

5. $14 + 37 =$

6. $55 + 16 =$

7. $16 + 35 =$

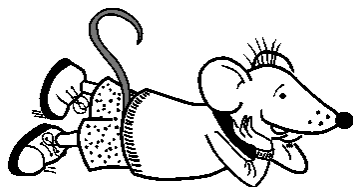
8. $33 + 18 =$

9. $11 + 48 =$

10. $22 + 17 =$

11. $17 + 64 =$

12. $81 + 18 =$

Adding pairs of numbers

The units nearly add up to ten. Use this to help you.

1. $45 + 16 =$

2. $61 + 18 =$

3. $32 + 19 =$

4. $49 + 12 =$

5. $28 + 13 =$

6. $17 + 14 =$

7. $34 + 15 =$

8. $72 + 19 =$

9. $52 + 17 =$

10. $35 + 14 =$

11. $67 + 14 =$

12. $23 + 16 =$

Counting up

Hi there! How are you today?
These are subtraction sums,
but I don't feel like a take
away, so I'm going to count
on from the smaller number.
Come and join me.....

1. $304 - 299 =$

2. $202 - 195 =$

3. $203 - 198 =$

4. $301 - 296 =$

5. $406 - 397 =$

6. $408 - 399 =$

7. $506 - 499 =$

8. $504 - 498 =$

9. $108 - 97 =$

10. $607 - 598 =$

11. $604 - 599 =$

12. $701 - 694 =$

Counting up

Now try these
subtractions - but do them
as adding on or counting
on!
Easy eh!

1. $306 - 298 =$

2. $201 - 196 =$

3. $204 - 199 =$

4. $302 - 298 =$

5. $407 - 398 =$

6. $406 - 397 =$

7. $509 - 497 =$

8. $509 - 499 =$

9. $102 - 98 =$

10. $608 - 593 =$

11. $603 - 594 =$

12. $700 - 695 =$



Near doubles

When two numbers are close to each other it is often easier to double one of them and then add or subtract the odd bit.

Eg

$$34 + 35$$

Double 34 is 68

Add 1 makes 69. Easy eh!

1. $35 + 36 =$

2. $39 + 40 =$

3. $46 + 47 =$

4. $26 + 25 =$

5. $17 + 18 =$

6. $53 + 54 =$

7. $66 + 65 =$

8. $27 + 28 =$

9. $75 + 76 =$

10. $36 + 37 =$



Near doubles

These might look a little harder,
but they are easy really.

Double one number and then add
or take 10.

Eg $60 + 70 =$

Double 60 is 120. Add 10 is 130

1. $70 + 80 =$

2. $50 + 60 =$

3. $40 + 50 =$

4. $80 + 90 =$

5. $60 + 70 =$

6. $110 + 120 =$

Now try these:

7. $54 + 56 =$

8. $64 + 66 =$

9. $38 + 36 =$

10. $45 + 47 =$

Answers

Page 3											
1. 19	2. 15	3. 20	4. 17	5. 22	6. 18						
Page 4											
1. 17	2. 16	3. 18	4. 15	5. 15	6. 18						
Page 5											
1. 5	2. 4	3. 8	4. 1	5. 9	6. 6	7. 2	8. 7				
Page 6											
1. 41	2. 91	3. 61	4. 81	5. 51	6. 71	7. 51	8. 51	9. 59	10. 39	11. 81	12. 99
Page 7											
1. 61	2. 79	3. 51	4. 61	5. 41	6. 31	7. 49	8. 91	9. 69	10. 49	11. 81	12. 39
Page 8											
1. 5	2. 7	3. 5	4. 5	5. 9	6. 9	7. 7	8. 6	9. 11	10. 9	11. 5	12. 7
Page 9											
1. 8	2. 5	3. 5	4. 4	5. 9	6. 9	7. 12	8. 10	9. 4	10. 15	11. 9	12. 5
Page 10											
1. 71	2. 79	3. 93	4. 51	5. 35	6. 107	7. 131	8. 55	9. 151	10. 73		
Page 11											
1. 150	2. 110	3. 90	4. 170	5. 130	6. 230	7. 110	8. 130	9. 74	10. 92		