



MATHEMATICS



N.S. Yr. 3 P.37

Add and subtract pairs of numbers mentally

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

In year 3 addition and subtraction of a single digit is extended to hundreds, for example $345 + 4$, but the tens boundary is not crossed.

Further developments include adding a two digit number to any multiple of 100, such as $500 + 34$ and adding a two digit number to a multiple of ten where crossing the hundred boundary does occur eg $60 + 55$.

The second of these is much harder and children need to be secure in their knowledge of adding a pair of multiples of ten that cross the hundreds boundary eg $50 + 70$ before they move on to this.

Subtracting a single digit from a multiple of 100 is also introduced eg $300 - 5$. This some children find quite difficult and they need to be confident in counting up and down crossing the hundreds boundary.

Finally, plenty of practice should be given in adding or subtracting two digit numbers without crossing the tens boundary or going above 100. Most of this work will be in the form of mental arithmetic.

Each of these stages needs to be clearly explained and mental methods of how to do them discussed, as there is usually more than one way. Again, the most efficient method should be encouraged.

Adding to hundreds

Nice and simple to start you off.
There may even be time for a joke
afterwards!

1. $234 + 5 =$

2. $156 + 2 =$

3. $276 + 3 =$

4. $371 + 6 =$

5. $178 + 1 =$

6. $478 + 0 =$

7. $436 + 3 =$

8. $501 + 7 =$

9. $633 + 5 =$

10. $712 + 4 =$

11. $555 + 4 =$

12. $661 + 6 =$



What's a crocodile's favourite
game?
Snap!!!

Adding to hundreds

Some more quick additions to
hundred numbers.

1. $362 + 5 =$

2. $482 + 6 =$

3. $510 + 8 =$

4. $622 + 6 =$

5. $842 + 7 =$

6. $911 + 5 =$

7. $171 + 8 =$

8. $183 + 4 =$

9. $763 + 6 =$

10. $845 + 3 =$

11. $902 + 6 =$

12. $488 + 1 =$



Why do bees hum?
*Because they have forgotten the
words.*

Subtraction from hundreds

Try these subtraction sums.
You should not find them too
tricky, I hope!

1. $467 - 5 =$

2. $597 - 6 =$

3. $629 - 8 =$

4. $723 - 2 =$

5. $833 - 3 =$

6. $906 - 5 =$

7. $626 - 4 =$

8. $734 - 3 =$

9. $815 - 3 =$

10. $277 - 5 =$

11. $634 - 4 =$

12. $999 - 9 =$



What do you call a man with a rabbit up his
jumper?
Warren.

Subtraction from hundreds

Some subtractions for
you to do in your
head.

1. $578 - 4 =$

2. $698 - 7 =$

3. $734 - 3 =$

4. $834 - 3 =$

5. $944 - 2 =$

6. $117 - 4 =$

7. $737 - 6 =$

8. $845 - 4 =$

9. $926 - 4 =$

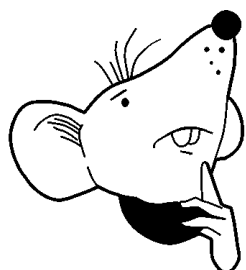
10. $388 - 4 =$

11. $749 - 7 =$

12. $808 - 3 =$



What is the best thing to put into a
beefburger?
Your teeth!

Fill in the missing numbers

There's a pattern to these answers. They all come in groups of three – know one part and you can do all three.

1. $500 + 23 = \square$ 2. $500 + \square = 523$ 3. $\square + 23 = 523$

4. $400 + 76 = \square$ 5. $400 + \square = 476$ 6. $\square + 76 = 476$

7. $600 + 19 = \square$ 8. $600 + \square = 619$ 9. $\square + 19 = 619$

10. $800 + 55 = \square$ 11. $800 + \square = 855$ 12. $\square + 55 = 855$

13. $700 + 62 = \square$ 14. $700 + \square = 762$ 15. $\square + 62 = 762$

Taking one digit from multiples of 100

These are not quite as simple as they seem.
Check your answers by counting on.

1.

500

subtract 6 =

2.

600

subtract 4 =

3.

200

subtract 9 =

4.

800

subtract 2 =

5.

300

subtract 8 =

6.

600

subtract 3 =

7.

400

subtract 7 =

8.

100

subtract 5 =

Taking one digit from multiples of 100

Have a go at these.
Check your answers by
counting on.

1.

600

subtract 8 =

2.

700

subtract 2 =

3.

300

subtract 1 =

4.

900

subtract 4 =

5.

400

subtract 8 =

6.

700

subtract 5 =

7.

500

subtract 9 =

8.

200

subtract 6 =

Find the missing numbers that make these sums correct.



1. $7 + \square = 200$ 2. $8 + \square = 300$

3. $\square + 4 = 400$ 4. $\square + 5 = 200$

5. $193 + \square = 200$ 6. $291 + \square = 300$

7. $\square + 7 = 100$ 8. $\square + 15 = 100$

9. $6 + \square = 400$ 10. $293 + \square = 300$

11. $\square + 7 = 600$ 12. $\square + 8 = 500$

13. $2 + \square = 200$ 14. $4 + \square = 800$

Tricky addition

Why do giraffes
have long necks?



To connect
their heads to
their bodies!

1. $6 + \square = 300$ 2. $7 + \square = 400$

3. $\square + 5 = 500$ 4. $\square + 6 = 300$

5. $194 + \square = 200$ 6. $292 + \square = 300$

7. $\square + 8 = 100$ 8. $\square + 14 = 100$

9. $8 + \square = 700$ 10. $897 + \square = 900$

11. $\square + 5 = 500$ 12. $\square + 1 = 700$

13. $9 + \square = 100$ 14. $6 + \square = 900$

More two digit addition

Take care with these as they
all come to more than 100!



1. $30 + 75 =$

2. $40 + 66 =$

3. $20 + 84 =$

4. $60 + 49 =$

5. $10 + 91 =$

6. $90 + 13 =$

7. $80 + 26 =$

8. $60 + 41 =$

9. $50 + 54 =$

10. $30 + 72 =$

11. $80 + 27 =$

12. $70 + 36 =$

More two digit addition

All of these add up to more than 100.



1. $60 + 41 =$

2. $80 + 27 =$

3. $70 + 32 =$

4. $50 + 57 =$

5. $50 + 52 =$

6. $90 + 18 =$

7. $70 + 39 =$

8. $60 + 48 =$

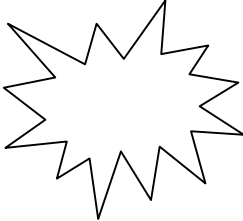
9. $80 + 22 =$

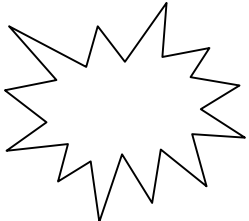
10. $60 + 45 =$

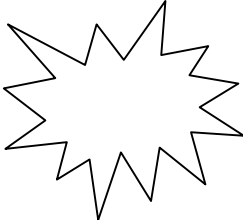
11. $40 + 62 =$

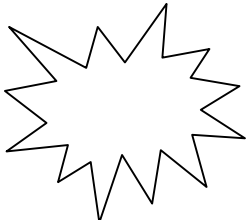
12. $20 + 89 =$

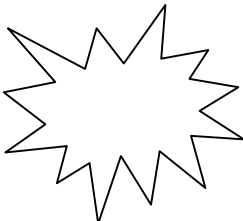
Mixed addition and subtraction

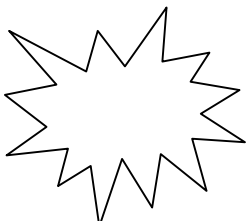
1. $34 + 25 =$ 

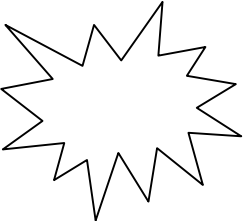
2. $56 + 21 =$ 

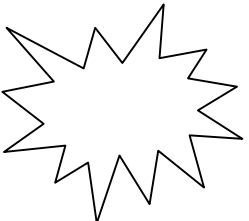
3. $34 - 23 =$ 

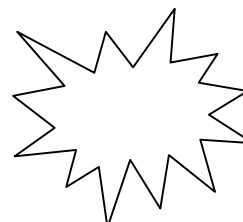
4. $46 - 21 =$ 

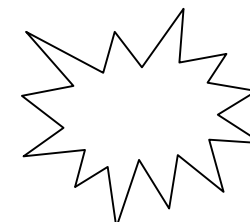
5. $61 + 38 =$ 

6. $23 + 51 =$ 

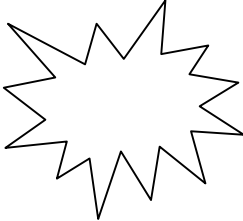
7. $69 - 27 =$ 

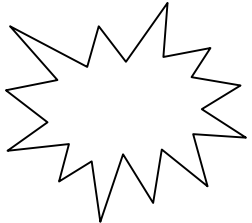
8. $94 - 62 =$ 

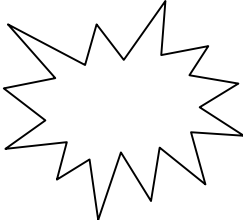
9. $44 + 51 =$ 

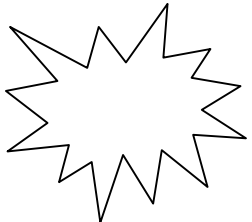
10. $18 + 61 =$ 

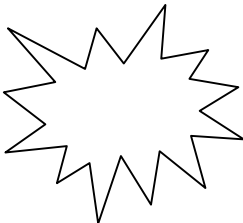
Mixed addition and subtraction

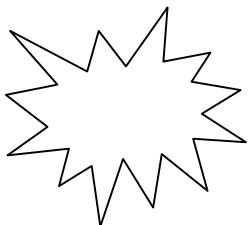
1. $45 + 13 =$ 

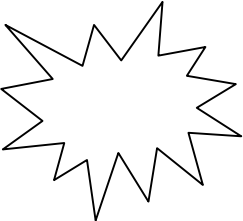
2. $42 + 27 =$ 

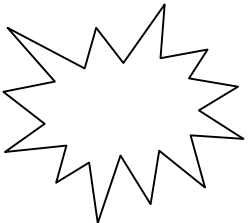
3. $56 - 33 =$ 

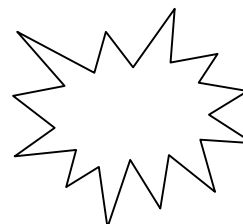
4. $77 - 51 =$ 

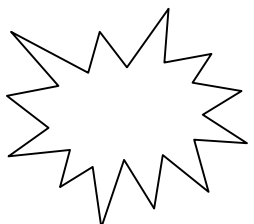
5. $62 + 27 =$ 

6. $32 + 54 =$ 

7. $85 - 13 =$ 

8. $44 - 23 =$ 

9. $71 + 16 =$ 

10. $22 + 47 =$ 

Answers

Page 3							
1. 239	2. 158	3. 279	4. 377	5. 179	6. 478		
7. 439	8. 508	9. 638	10. 716	11. 559	12. 667		
Page 4							
1. 367	2. 488	3. 518	4. 628	5. 849	6. 916		
7. 179	8. 187	9. 769	10. 848	11. 908	12. 489		
Page 5							
1. 462	2. 591	3. 621	4. 721	5. 830	6. 901		
7. 622	8. 731	9. 812	10. 272	11. 630	12. 990		
Page 6							
1. 574	2. 691	3. 731	4. 831	5. 942	6. 113		
7. 731	8. 841	9. 922	10. 384	11. 742	12. 805		
Page 7							
1. 523	2. 23	3. 500	4. 476	5. 76	6. 400	7. 619	8. 19
10. 855	11. 55	12. 800		13. 762	14. 62	15. 700	9. 600
Page 8							
1. 494	2. 596	3. 191	4. 798	5. 292	6. 597	7. 393	8. 95
Page 9							
1. 592	2. 698	3. 299	4. 896	5. 392	6. 695	7. 491	8. 194
Page 10							
1. 193	2. 292	3. 396	4. 195	5. 7	6. 9	7. 93	
8. 85	9. 394	10. 7	11. 593	12. 492	13. 198	14. 796	
Page 11							
1. 294	2. 393	3. 495	4. 294	5. 6	6. 8	7. 92	
8. 86	9. 692	10. 3	11. 495	12. 699	13. 91	14. 894	
Page 12							
1. 105	2. 106	3. 104	4. 109	5. 101	6. 103		
7. 106	8. 101	9. 104	10. 102	11. 107	12. 106		
Page 13							
1. 101	2. 107	3. 102	4. 107	5. 102	6. 108		
7. 109	8. 108	9. 102	10. 105	11. 102	12. 109		
Page 14							
1. 59	2. 77	3. 11	4. 25	5. 99			
6. 74	7. 42	8. 32	9. 95	10. 79			
Page 15							
1. 58	2. 69	3. 23	4. 26	5. 89			
6. 86	7. 72	8. 21	9. 87	10. 69			