



# MATHEMATICS



**N.S. Yr. 3 P.41**

**Addition and subtraction continued**

## Equipment

Paper, pencil, ruler  
Number line

# MathSphere

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## **Concepts**

This module is mainly concerned with consolidating the mental methods of addition and subtraction learnt earlier, applying them to harder examples.

Adding or subtracting numbers crossing 20 is extended to any two digit number.

Finding small differences between two numbers either side of 100 is extended to multiples of 100, up to 1 000.

Having achieved these, children should have the confidence to begin to add or subtract any pair of two digit numbers mentally, using the most suitable method.

Adding - revision

Just a quick whizz  
through these to  
remind yourself what  
to do!



1.  $16 + 8 = \square$

2.  $14 + 5 = \square$

3.  $\square + 7 = 12$

4.  $\square + 3 = 11$

5.  $13 + \square = 17$

6.  $2 + \square = 14$

7.  $\square + 3 = 17$

8.  $\square + 2 = 16$

9.  $4 + \square = 18$

10.  $5 + \square = 19$

**Subtraction - revision**

Nice and easy does it –  
put your answers in the  
boxes.



1.  $15 - 7 = \square$

2.  $13 - 6 = \square$

3.  $\square - 7 = 11$

4.  $\square - 5 = 9$

5.  $15 - \square = 9$

6.  $17 - \square = 8$

7.  $\square - 7 = 4$

8.  $\square - 6 = 9$

9.  $14 - \square = 6$

10.  $13 - \square = 6$

**Mixed addition and subtraction - revision**

Knock, knock!  
Who's there?  
Alaska.  
Alaska who?  
Alaska one more time!



1.  $13 - 8 = \square$

2.  $16 - 9 = \square$

3.  $\square + 4 = 11$

4.  $\square + 8 = 12$

5.  $15 - \square = 6$

6.  $16 - \square = 9$

7.  $\square + 3 = 16$

8.  $\square + 6 = 12$

9.  $14 - \square = 4$

10.  $12 - \square = 8$

Adding larger numbers

Try to explain to your teacher how you do these in your head.

1. Add 6 to 36

2. Add 5 to 27

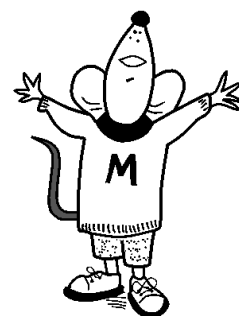
3. Add 7 to 54

4. Add 5 to 38

5. Add 8 to 75

6. Add 9 to 66

I usually count on to the next whole ten and then add on what's left over.



Adding teens and crossing whole tens

Now try adding these. Use a number line to help you if you really need it!

1. Add 6 to 38

2. Add 4 to 49

3. Add 7 to 64

4. Add 5 to 57

5. Add 8 to 84

6. Add 9 to 44

Knock, knock!

*Who's there?*

Willa.

*Willa who?*

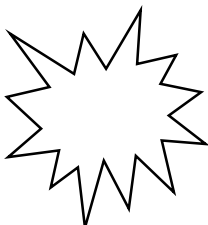
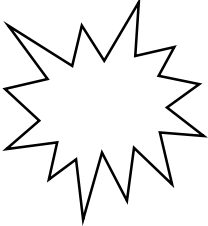
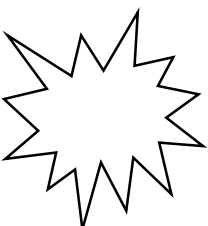
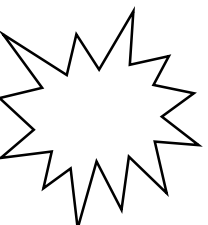
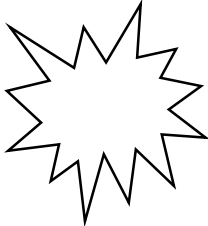
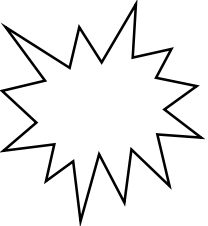
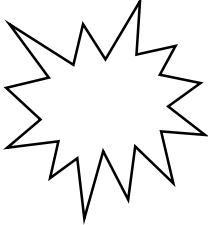
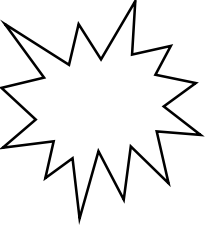
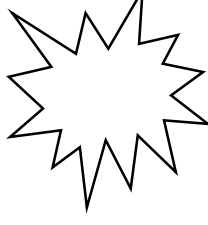
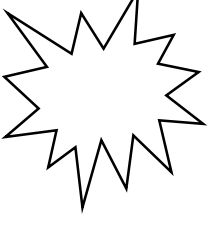
Willa present  
make you  
happy?



## Subtracting



It's exploding  
subtractions today!

- |               |   |                |   |
|---------------|---|----------------|---|
| 1. $62 - 5 =$ |    | 2. $45 - 7 =$  |    |
| 3. $51 - 2 =$ |   | 4. $78 - 9 =$  |   |
| 5. $43 - 4 =$ |  | 6. $87 - 9 =$  |  |
| 7. $95 - 7 =$ |  | 8. $40 - 3 =$  |  |
| 9. $72 - 9 =$ |  | 10. $54 - 5 =$ |  |

How many did you get right?

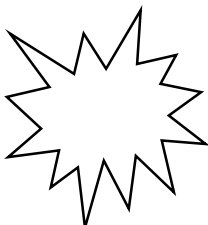
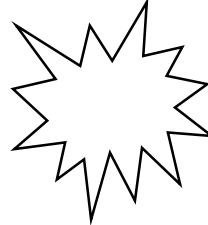
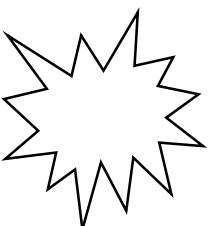
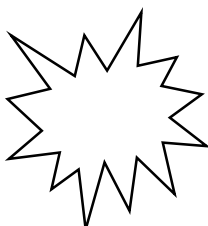
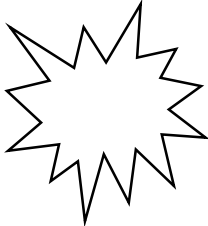
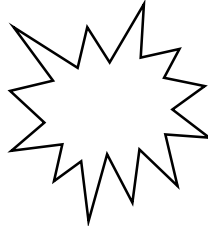
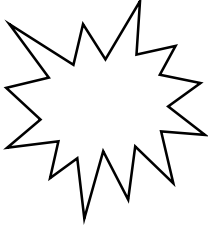
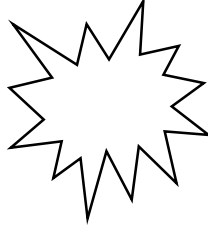
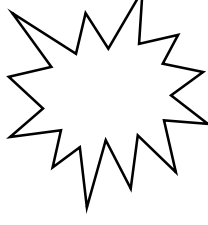
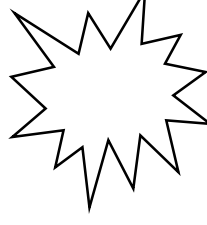




## Subtracting



Don't let this be a  
flash in the pan!

- |               |   |                |   |
|---------------|---|----------------|---|
| 1. $71 - 5 =$ |    | 2. $54 - 7 =$  |    |
| 3. $60 - 2 =$ |   | 4. $87 - 8 =$  |   |
| 5. $52 - 4 =$ |  | 6. $96 - 9 =$  |  |
| 7. $21 - 7 =$ |  | 8. $52 - 3 =$  |  |
| 9. $81 - 9 =$ |  | 10. $63 - 5 =$ |  |

How many did you get right?



Adding and subtracting two digit numbers

A mixed bag of adding  
and subtracting here.  
Make sure you do the  
right thing!

1.  $75 + \square = 83$

2.  $67 + \square = 73$

3.  $\square - 6 = 47$

4.  $\square - 5 = 38$

5.  $45 + \square = 52$

6.  $66 + \square = 71$

7.  $\square - 8 = 86$

8.  $\square - 4 = 48$

9.  $52 + \square = 61$

10.  $68 + \square = 74$

Adding two digit numbers

Knock, knock!  
*Who's there?*  
Harry.  
*Harry who?*  
Harry up, it's late!

1.  $76 + \boxed{\phantom{00}} = 84$

2.  $68 + \boxed{\phantom{00}} = 75$

3.  $\boxed{\phantom{00}} - 7 = 45$

4.  $\boxed{\phantom{00}} - 4 = 58$

5.  $46 + \boxed{\phantom{00}} = 51$

6.  $77 + \boxed{\phantom{00}} = 84$

7.  $\boxed{\phantom{00}} - 3 = 68$

8.  $\boxed{\phantom{00}} - 4 = 59$

9.  $28 + \boxed{\phantom{00}} = 33$

10.  $89 + \boxed{\phantom{00}} = 97$

**Finding differences by counting up**

I find the answers to these by counting up to the next whole hundred, then counting on to the number.

1.  $205 - 198 =$

2.  $503 - 497 =$

3.  $604 - 596 =$

4.  $802 - 799 =$

5.  $301 - 292 =$

6.  $707 - 698 =$

7.  $503 - 495 =$

8.  $202 - 196 =$

9.  $306 - 296 =$

10.  $405 - 397 =$

**Finding differences by counting up**

These subtractions can all be done by counting on from the lower number – this is probably the easiest way!

1.  $204 - 197 =$

2.  $305 - 298 =$

3.  $401 - 394 =$

4.  $502 - 496 =$

5.  $603 - 595 =$

6.  $704 - 696 =$

7.  $803 - 796 =$

8.  $902 - 894 =$

9.  $905 - 898 =$

10.  $402 - 393 =$

**Subtracting around the thousand**

All these numbers are just either side of 1 000.  
Find the difference by counting on.

1. 1 002

Subtract 998

2. 1 004

Subtract 996

3. 1 003

Subtract 994

4. 1 005

Subtract 999

5. 1 001

Subtract 993

6. 1 006

Subtract 998

**Subtracting around the thousand**

1.  $1\ 004 - 997 =$

2.  $1\ 005 - 993 =$

3.   $- 994 = 6$

4.   $- 998 = 5$

5.  $1\ 003 -$    $= 7$

6.  $1\ 004 -$    $= 2$

7.  $1\ 005 - 997 =$

8.  $1\ 003 - 996 =$

9.   $- 998 = 6$

10.   $- 994 = 8$

11.  $1\ 006 -$    $= 8$

12.  $1\ 001 -$    $= 2$

**Adding pairs of two digit numbers**

Now, you should be able to add any pair of two digit numbers 'in your head'. Try these to see if you can!

1.  $64 + 35 =$

2.  $76 + 30 =$

3.  $25 + 27 =$

4.  $19 + 26 =$

5.  $43 + 38 =$

6.  $22 + 61 =$

7.  $39 + 29 =$

8.  $50 + 80 =$

9.  $59 + 43 =$

10.  $67 + 35 =$

11.  $48 + 33 =$

12.  $98 + 30 =$



Adding pairs of two digit numbers

Knock, knock!

*Who's there?*

Fred.

*Fred who?*

Fred I've got some bad news!

1.  $75 + 25 =$

2.  $87 + 20 =$

3.  $36 + 38 =$

4.  $29 + 32 =$

5.  $54 + 48 =$

6.  $34 + 51 =$

7.  $49 + 29 =$

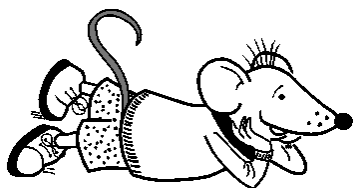
8.  $60 + 90 =$

9.  $27 + 27 =$

10.  $74 + 35 =$

11.  $56 + 44 =$

12.  $96 + 20 =$



Try subtracting these –  
you're definitely a whizz at  
subbing if you get them  
right!!

1.  $54 - 23 =$

2.  $74 - 41 =$

3.  $48 - 35 =$

4.  $63 - 29 =$

5.  $54 - 39 =$

6.  $76 - 59 =$

7.  $84 - 19 =$

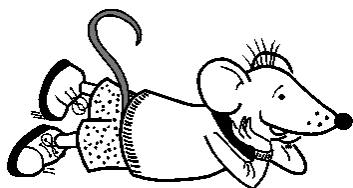
8.  $72 - 68 =$

9.  $53 - 48 =$

10.  $90 - 35 =$

11.  $70 - 44 =$

12.  $28 - 19 =$



Knock, knock!

*Who's there?*

Beef.

*Beef who?*

Beef fair, these sums are hard!

1.  $65 - 32 =$

2.  $84 - 33 =$

3.  $55 - 35 =$

4.  $46 - 29 =$

5.  $63 - 49 =$

6.  $87 - 79 =$

7.  $73 - 25 =$

8.  $85 - 79 =$

9.  $63 - 58 =$

10.  $90 - 66 =$

11.  $70 - 55 =$

12.  $48 - 29 =$

Answers**Page 3**

1. 24    2. 19    3. 5    4. 8    5. 4    6. 12    7. 14    8. 14    9. 14    10. 14

**Page 4**

1. 8    2. 7    3. 18    4. 14    5. 6    6. 9    7. 11    8. 15    9. 8    10. 7

**Page 5**

1. 5    2. 7    3. 7    4. 4    5. 9    6. 7    7. 13    8. 6    9. 10    10. 4

**Page 6**

1. 42    2. 32    3. 61    4. 43    5. 83    6. 75

**Page 7**

1. 44    2. 53    3. 71    4. 62    5. 92    6. 53

**Page 8**

1. 57    2. 38    3. 49    4. 69    5. 39    6. 78    7. 88    8. 37    9. 63    10. 49

**Page 9**

1. 66    2. 47    3. 58    4. 79    5. 48    6. 87    7. 14    8. 49    9. 72    10. 58

**Page 10**

1. 8    2. 6    3. 53    4. 43    5. 7    6. 5    7. 94    8. 52    9. 9    10. 6

**Page 11**

1. 8    2. 7    3. 52    4. 62    5. 5    6. 7    7. 71    8. 63    9. 5    10. 8

**Page 12**

1. 7    2. 6    3. 8    4. 3    5. 9    6. 9    7. 8    8. 6    9. 10    10. 8

**Page 13**

1. 7    2. 7    3. 7    4. 6    5. 8    6. 8    7. 7    8. 8    9. 7    10. 9

**Page 14**

1. 4    2. 8    3. 9    4. 6    5. 8    6. 8

**Page 15**

1. 7    2. 12    3. 1 000    4. 1 003    5. 996    6. 999

7. 8    8. 7    9. 1 004    10. 1 002    11. 998    12. 999

**Answers****Page 16**

<b>1. 99</b>	<b>2. 106</b>	<b>3. 52</b>	<b>4. 45</b>	<b>5. 81</b>	<b>6. 83</b>
<b>7. 68</b>	<b>8. 130</b>	<b>9. 102</b>	<b>10. 102</b>	<b>11. 81</b>	<b>12. 128</b>

**Page 17**

<b>1. 100</b>	<b>2. 107</b>	<b>3. 74</b>	<b>4. 61</b>	<b>5. 102</b>	<b>6. 85</b>
<b>7. 78</b>	<b>8. 150</b>	<b>9. 54</b>	<b>10. 109</b>	<b>11. 100</b>	<b>12. 116</b>

**Page 18**

<b>1. 31</b>	<b>2. 33</b>	<b>3. 13</b>	<b>4. 34</b>	<b>5. 15</b>	<b>6. 17</b>
<b>7. 65</b>	<b>8. 4</b>	<b>9. 5</b>	<b>10. 55</b>	<b>11. 26</b>	<b>12. 9</b>

**Page 19**

<b>1. 33</b>	<b>2. 51</b>	<b>3. 20</b>	<b>4. 17</b>	<b>5. 14</b>	<b>6. 8</b>
<b>7. 48</b>	<b>8. 6</b>	<b>9. 5</b>	<b>10. 24</b>	<b>11. 15</b>	<b>12. 19</b>