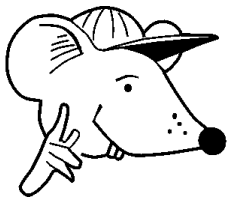
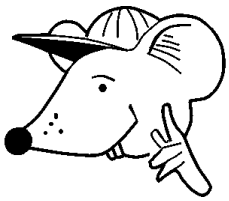
Back to Previous Menu



MATHEMATICS



N.S. Yr. 2 P.37

Add and subtract pairs of numbers mentally

Equipment

Paper, pencil, ruler

MathSphere

Concepts

In year two children are not expected to cross the tens boundary when adding. This means that there is no 'carrying' into the tens.

Single digits can be added to multiples of ten, and later 100. For example 40 + 5 = or 100 + 6 =. Much of this will be done mentally, but the number sentences can be written down. These can also be written as: 30 + ☐ = 35

Single digits can be added to two digit numbers, such as 34 + 5 or 26 + 3.

Later, two digit numbers can be added to multiples of ten, such as 23 + 30.

Subtraction of a single digit from a two digit number can be introduced, again with no crossing of the tens boundary, or 'borrowing'; sums such as 36 – 4.

Subtraction of a single digit from a multiple of ten is expected in year 2 eg 30 – 7 = but again there are no formal written methods at this age.

Once the above have been confidently mastered children can move on to subtracting teens from two digit numbers, but again with no crossing of the tens boundary.

Asking children how they do these 'in their heads' is still important and a range of possible ways should be discussed. The most efficient way is the one that should be encouraged – usually this means subtracting the tens digit first.

Hello. It's a very starry day today!
Write the answers in the stars.

Adding to two digits

1. 24 + 4 = ☆

2. 32 + 5 = ☆

3. 41 + 7 = ☆

4. 63 + 4 = ☆

5. 86 + 3 = ☆

☆1 ☆2 ☆3 ☆4 ☆5

Got the idea of adding to two digits. Yes? Then try these:

Adding to two digits

1. 13 + 6 =
2. 25 + 4 =
3. 32 + 7 =
4. 44 + 2 =
5. 51 + 8 =
6. 63 + 5 =
7. 72 + 6 =
8. 83 + 4 =
9. 92 + 5 =
10. 95 + 2 =

How many did you get right?

1 2 3 4 5 6 7 8 9 10

Quick ten additions here.
Go for it!

Adding

1. 53 + 6 =
2. 47 + 2 =
3. 73 + 5 =
4. 50 + 9 =
5. 26 + 3 =
6. 35 + 4 =
7. 61 + 6 =
8. 22 + 7 =
9. 36 + 2 =
10. 31 + 8 =

Colour a star for each sum you got right!

1 2 3 4 5 6 7 8 9 10

Another quick ten – you should speed through these!

Adding

1. 31 + 6 =
2. 25 + 4 =
3. 42 + 3 =
4. 71 + 8 =
5. 26 + 0 =
6. 55 + 3 =
7. 91 + 8 =
8. 80 + 5 =
9. 61 + 3 =
10. 26 + 1 =

Colour a star for each sum you got right!

1 2 3 4 5 6 7 8 9 10

Subtraction

1. 48 – 3 = ◯ **2.** 27 – 5 = ◯

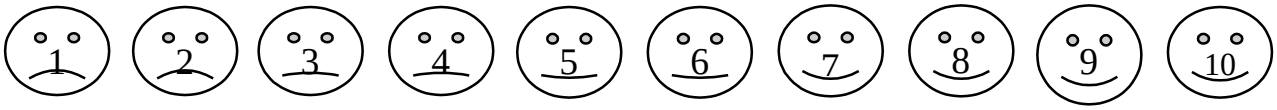
3. 68 – 4 = ◯ **4.** 72 – 2 = ◯

5. 55 – 3 = ◯ **6.** 79 – 8 = ◯

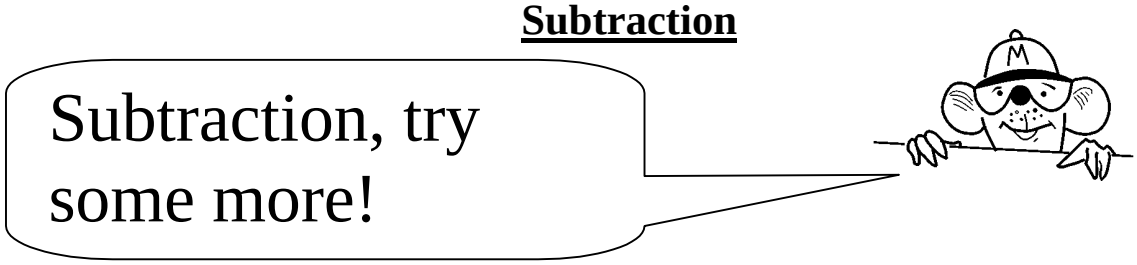
7. 87 – 5 = ◯ **8.** 46 – 5 = ◯

9. 28 – 7 = ◯ **10.** 39 – 2 = ◯

How well did you do? Colour how many you get correct.



Subtraction



1. 59 – 4 =

2. 38 – 6 =

3. 49 – 8 =

4. 83 – 2 =

5. 66 – 4 =

6. 89 – 8 =

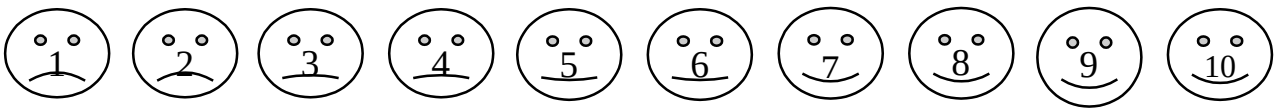
7. 98 – 6 =

8. 57 – 4 =

9. 39 – 5 =

10. 46 – 5 =

How well did you do? Colour how many you get correct.



Adding

Try adding to these tens.
I bet you find them pretty easy!

1. 20 + 5 = ⬡ **2.** 30 + 4 = ⬡

3. 40 + 4 = ⬡ **4.** 50 + 8 = ⬡

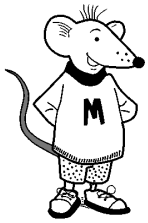
5. 60 + 1 = ⬡ **6.** 70 + 6 = ⬡

7. 80 + 8 = ⬡ **8.** 90 + 7 = ⬡

9. 80 + 9 = ⬡ **10.** 70 + 2 = ⬡

☆1 ☆2 ☆3 ☆4 ☆5 ☆6 ☆7 ☆8 ☆9 ☆10

Adding



Have a go at these.
Adding to whole tens again.

1. 60 + 5 =

2. 30 + 2 =

3. 70 + 9 =

4. 20 + 1 =

5. 80 + 2 =

6. 90 + 8 =

7. 40 + 4 =

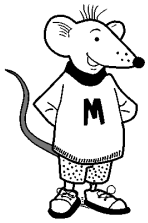
8. 80 + 3 =

9. 90 + 7 =

10. 60 + 6 =

1 2 3 4 5 6 7 8 9 10

Adding



Wow! Now we are adding to whole hundreds!

1. 600 + 5 = ⬡ 2. 300 + 2 = ⬡

3. 700 + 9 = ⬡ 4. 200 + 1 = ⬡

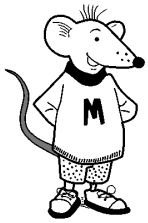
5. 800 + 2 = ⬡ 6. 900 + 8 = ⬡

7. 400 + 4 = ⬡ 8. 800 + 3 = ⬡

9. 900 + 7 = ⬡ 10. 600 + 6 = ⬡

1 2 3 4 5 6 7 8 9 10

Adding



More whole hundreds – really big numbers now!

1. 700 + 4 = ⬡ **2.** 400 + 1 = ⬡

3. 800 + 8 = ⬡ **4.** 300 + 9 = ⬡

5. 900 + 2 = ⬡ **6.** 400 + 7 = ⬡

7. 300 + 3 = ⬡ **8.** 900 + 2 = ⬡

9. 200 + 6 = ⬡ **10.** 700 + 5 = ⬡

☆1 ☆2 ☆3 ☆4 ☆5 ☆6 ☆7 ☆8 ☆9 ☆10

Missing numbers

Can you work out the missing numbers?

Of course!

1. 70 + ◯ = 75 **2.** 60 + ◯ = 62

3. 60 + ◯ = 68 **4.** 50 + ◯ = 56

5. 10 + ◯ = 12 **6.** 10 + ◯ = 17

7. 30 + ◯ = 33 **8.** 90 + ◯ = 95

9. 100 + ◯ = 105 **10.** 80 + ◯ = 86

Missing numbers

And I suppose you can do these as well?

Easily!

1. 40 + ◯ = 42 **2.** 60 + ◯ = 67

3. 80 + ◯ = 83 **4.** 20 + ◯ = 21

5. 10 + ◯ = 19 **6.** 90 + ◯ = 99

7. 40 + ◯ = 45 **8.** 60 + ◯ = 63

9. 100 + ◯ = 104 **10.** 50 + ◯ = 57

Missing numbers

Now try finding these missing numbers.

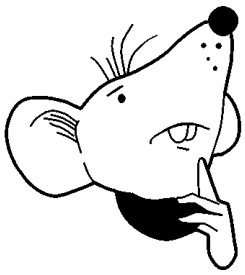
Now, there is a pattern to these…..

1. 600 + 3 = ☐ **2.** 600 + ☐ = 603 **3.** ☐ + 3 = 603

4. 900 + 8 = ☐ **5.** 900 + ☐ = 908 **6.** ☐ + 8 = 908

7. 300 + 4 = ☐ **8.** 300 + ☐ = 304 **9.** ☐ + 4 = 304

10. 500 + 7 = ☐ **11.** 500 + ☐ = 507 **12.** ☐ + 7 = 507



Can you see the pattern?

Missing numbers

Can you fill in the missing numbers?

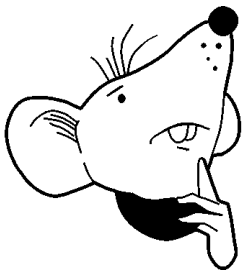
Let me have a look……

1. 400 + 7 = ☐ **2.** 400 + ☐ = 407 **3.** ☐ + 7 = 407

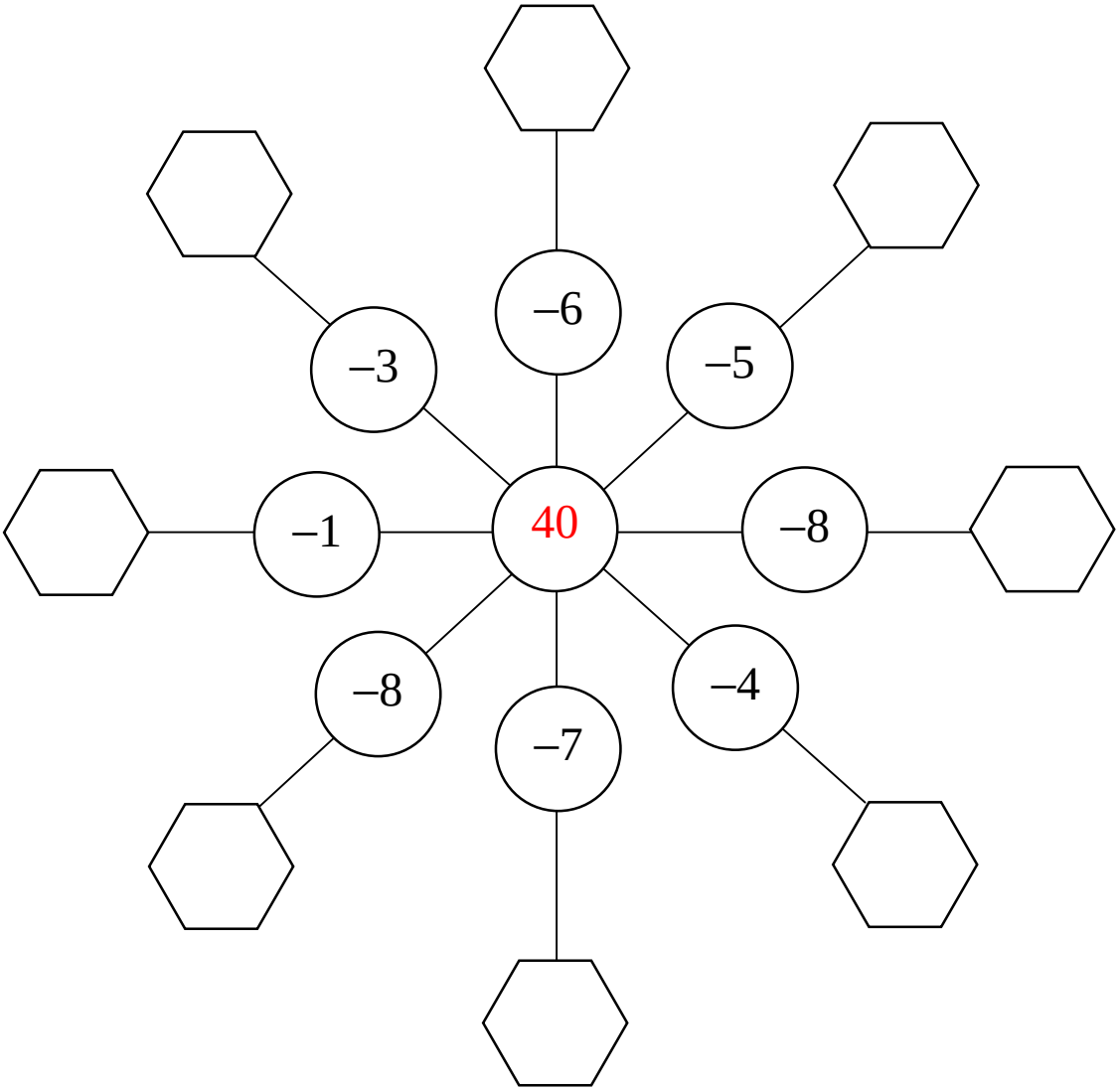
4. 500 + 6 = ☐ **5.** 500 + ☐ = 506 **6.** ☐ + 6 = 506

7. 700 + 2 = ☐ **8.** 700 + ☐ = 702 **9.** ☐ + 2 = 702

10. 800 + 5 = ☐ **11.** 800 + ☐ = 805 **12.** ☐ + 5 = 805



Did you notice a pattern in these?

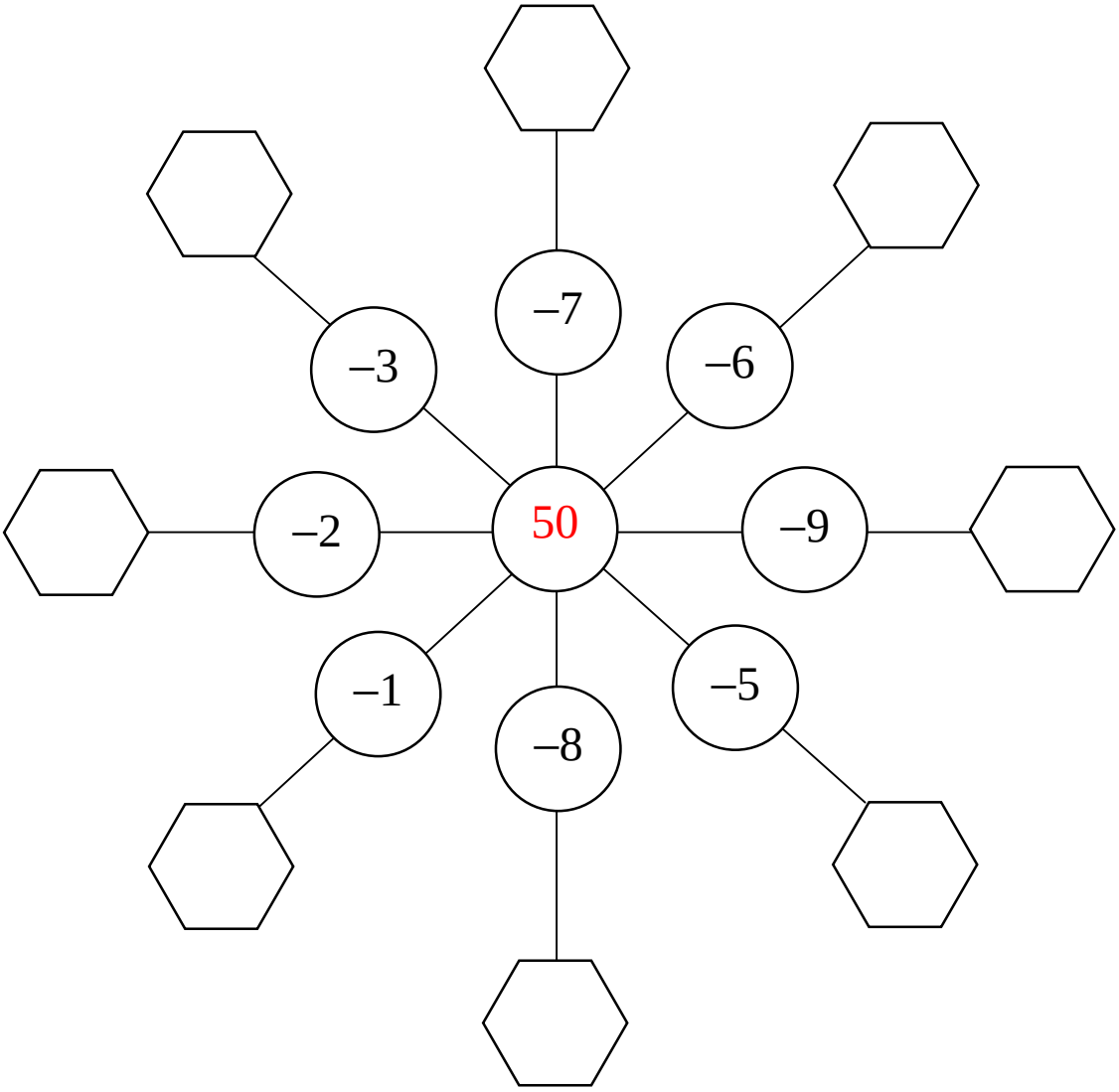


1. $60 - \square = 56$

2. $50 - \square = 42$

3. $30 - \square = 29$

4. $40 - \square = 35$

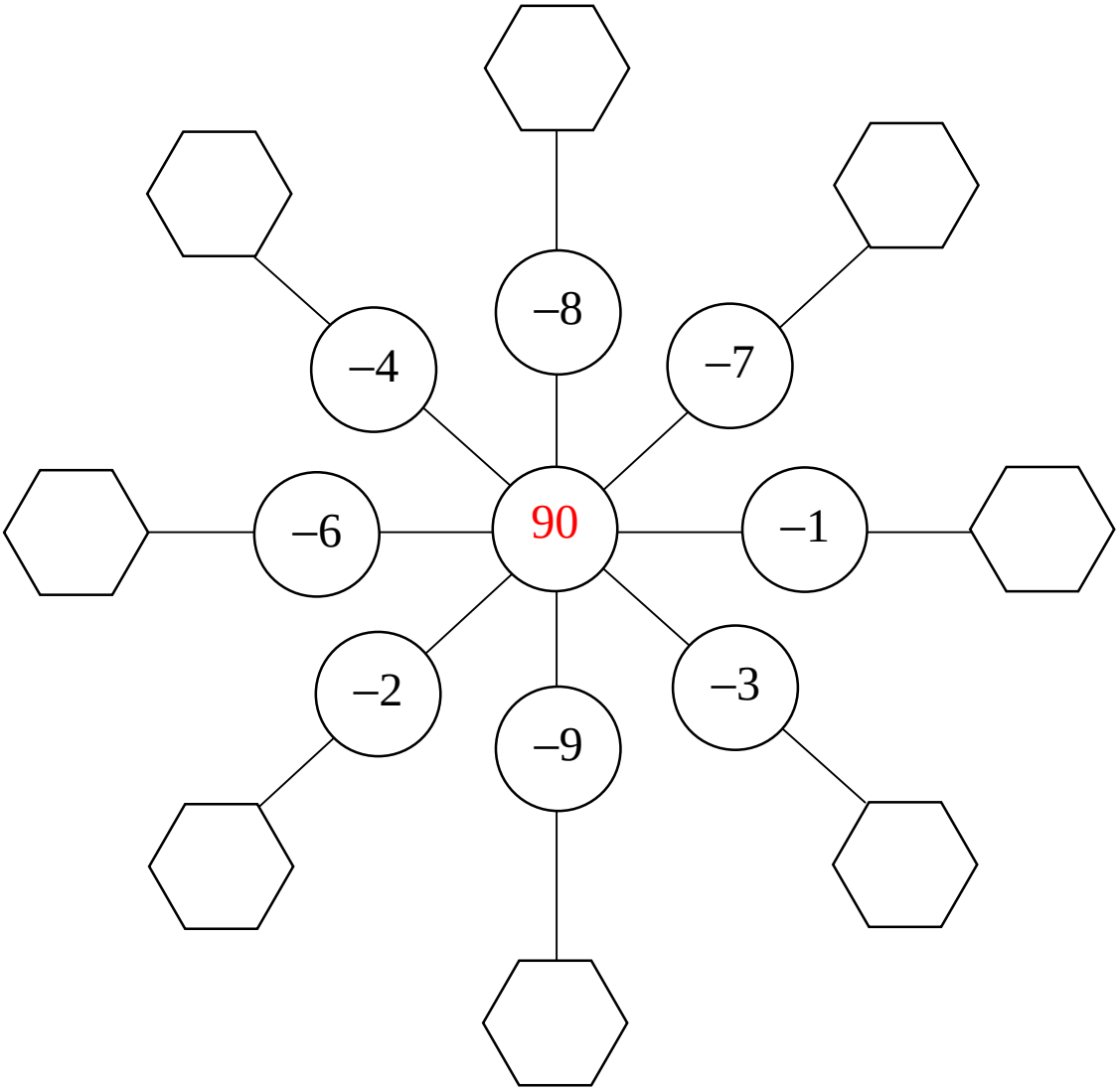


1. 70 – ☐ = 61

2. 80 – ☐ = 74

3. 20 – ☐ = 12

4. 90 – ☐ = 88



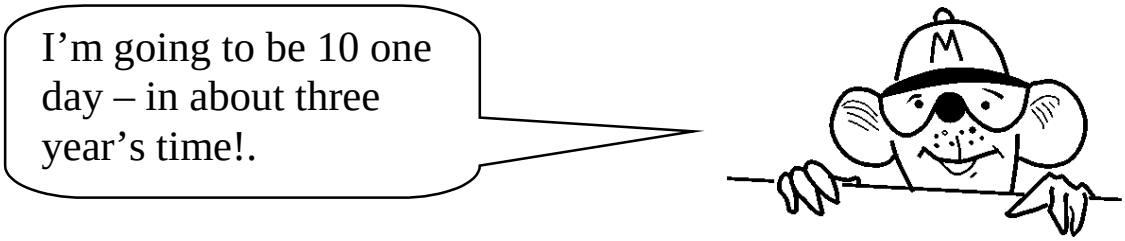
1. 30 – ☐ = 24

2. 50 – ☐ = 44

3. 40 – ☐ = 33

4. 90 – ☐ = 82

Adding to multiples of 10



When adding a multiple of ten to a number the units will stay the same.

eg 34 + 50 = 84

Try these:

1. 26 + 20 = ☐ 2. 32 + 30 = ☐

3. 41 + 40 = ☐ 4. 35 + 50 = ☐

5. 56 + 20 = ☐ 6. 29 + 30 = ☐

7. 35 + 40 = ☐ 8. 44 + 50 = ☐

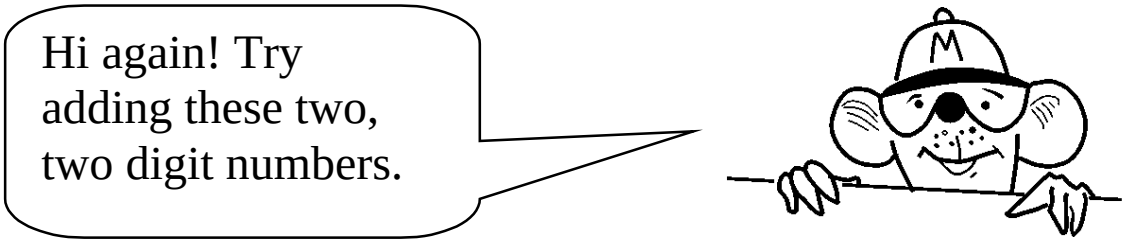
Adding multiples of 10

Try adding these multiples of ten.

Try these:

1. 46 + 30 = ☐
2. 38 + 50 = ☐
3. 74 + 20 = ☐
4. 38 + 40 = ☐
5. 22 + 70 = ☐
6. 17 + 80 = ☐
7. 45 + 50 = ☐
8. 36 + 60 = ☐
9. 61 + 30 = ☐
10. 49 + 40 = ☐

Adding two digit numbers



Add:

1. 34 + 13 = ☐ **2.** 12 + 41 = ☐

3. 25 + 13 = ☐ **4.** 11 + 22 = ☐

5. 16 + 43 = ☐ **6.** 61 + 15 = ☐

7. 13 + 14 = ☐ **8.** 16 + 33 = ☐

9. 51 + 17 = ☐ **10.** 43 + 12 = ☐

Adding two digit numbers

These can be rather tricky.
Have a go……

1. $23 + \square = 36$ **2.** $34 + \square = 48$

3. $\square + 22 = 35$ **4.** $\square + 35 = 47$

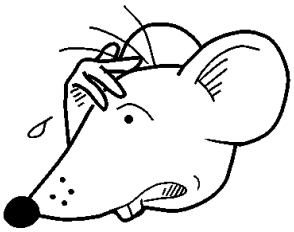
5. $25 + \square = 37$ **6.** $42 + \square = 55$

7. $\square + 33 = 44$ **8.** $\square + 31 = 46$

9. $75 + \square = 89$ **10.** $28 + \square = 39$

Subtracting teens from two digit numbers

Now it's time for a little subtraction. Teens only.

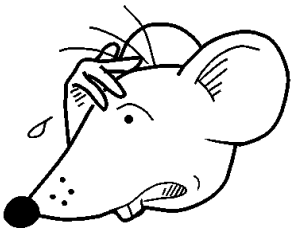


Subtract:

1. 26 – 13 = ☐
2. 35 – 12 = ☐
3. 44 – 11 = ☐
4. 28 – 15 = ☐
5. 48 – 15 = ☐
6. 67 – 16 = ☐
7. 39 – 13 = ☐
8. 74 – 12 = ☐
9. 88 – 16 = ☐
10. 76 – 15 = ☐

Subtracting teens from two digit numbers

How about some more really hard subtractions! Off you go….



Subtract:

1. 35 – 14 = ☐
2. 44 – 12 = ☐
3. 55 – 13 = ☐
4. 39 – 18 = ☐
5. 59 – 14 = ☐
6. 77 – 15 = ☐
7. 45 – 12 = ☐
8. 78 – 16 = ☐
9. 99 – 19 = ☐
10. 78 – 13 = ☐

Answers

Page 3
1. 28 **2.** 37 **3.** 48 **4.** 67 **5.** 89

Page 4
1. 19 **2.** 29 **3.** 39 **4.** 46 **5.** 59 **6.** 68 **7.** 78 **8.** 87 **9.** 97 **10.** 97

Page 5
1. 59 **2.** 49 **3.** 78 **4.** 59 **5.** 29 **6.** 39 **7.** 67 **8.** 29 **9.** 38 **10.** 39

Page 6
1. 37 **2.** 29 **3.** 45 **4.** 79 **5.** 26 **6.** 58 **7.** 99 **8.** 85 **9.** 64 **10.** 27

Page 7
1. 45 **2.** 22 **3.** 64 **4.** 70 **5.** 52 **6.** 71 **7.** 82 **8.** 41 **9.** 21 **10.** 37

Page 8
1. 55 **2.** 32 **3.** 41 **4.** 81 **5.** 62 **6.** 81 **7.** 92 **8.** 53 **9.** 34 **10.** 41

Page 9
1. 25 **2.** 34 **3.** 44 **4.** 58 **5.** 61 **6.** 76 **7.** 88 **8.** 97 **9.** 89 **10.** 72

Page 10
1. 65 **2.** 32 **3.** 79 **4.** 21 **5.** 82 **6.** 98 **7.** 44 **8.** 83 **9.** 97 **10.** 66

Page 11
1. 605 **2.** 302 **3.** 709 **4.** 201 **5.** 802 **6.** 908 **7.** 404 **8.** 803 **9.** 907 **10.** 606

Page 12
1. 704 **2.** 401 **3.** 808 **4.** 309 **5.** 902 **6.** 407 **7.** 303 **8.** 902 **9.** 206 **10.** 705

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

Page 14
1. 2 **2.** 7 **3.** 3 **4.** 1 **5.** 9 **6.** 9 **7.** 5 **8.** 3 **9.** 4 **10.** 7

Page 15
1. 603 **2.** 3 **3.** 600 **4.** 908 **5.** 8 **6.** 900
7. 304 **8.** 4 **9.** 300 **10.** 507 **11.** 7 **12.** 500

Page 16
1. 407 **2.** 7 **3.** 400 **4.** 506 **5.** 6 **6.** 500
7. 702 **8.** 2 **9.** 700 **10.** 805 **11.** 5 **12.** 800

Answers continued

Page 17
Clockwise: 34 35 32 36 33 32 39 37
1. 4 **2.** 8 **3.** 1 **4.** 5

Page 18
Clockwise: 43 44 41 45 42 49 48 47
1. 9 **2.** 6 **3.** 8 **4.** 2

Page 19
Clockwise: 82 83 89 87 81 88 84 86
1. 6 **2.** 6 **3.** 7 **4.** 8

Page 20
1. 46 **2.** 62 **3.** 81 **4.** 85 **5.** 76 **6.** 59 **7.** 75 **8.** 94

Page 21
1. 76 **2.** 88 **3.** 94 **4.** 78 **5.** 92 **6.** 97 **7.** 95 **8.** 96 **9.** 91 **10.** 89

Page 22
1. 47 **2.** 53 **3.** 38 **4.** 33 **5.** 59 **6.** 76 **7.** 27 **8.** 49 **9.** 68 **10.** 55

Page 23
1. 13 **2.** 14 **3.** 13 **4.** 12 **5.** 12 **6.** 13 **7.** 11 **8.** 15 **9.** 14 **10.** 11

Page 24
1. 13 **2.** 23 **3.** 33 **4.** 13 **5.** 33 **6.** 51 **7.** 26 **8.** 62 **9.** 72 **10.** 61

Page 25
1. 21 **2.** 32 **3.** 42 **4.** 21 **5.** 45 **6.** 62 **7.** 33 **8.** 62 **9.** 80 **10.** 65