

MATHEMATICS



Y3 Addition and Subtraction 3236

Know addition and subtraction facts

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

By the end of year 3 children are expected to know all the addition and subtraction facts for numbers up to 20.

This means for example that they know for 14:

13 + 1 = 14	14 – 1 = 13
12 + 2 = 14	14 - 2 = 12
11 + 3 = 14	14 – 3 = 11
10 + 4 = 14	14 - 4 = 10
9 + 5 = 14	14 - 5 = 9
8 + 6 = 14	14 – 6 = 8
7 + 7 = 14	14 – 7 = 7
	14 - 8 = 6
and the reverse:	14 - 9 = 5
1 + 13 = 14 etc	14 - 10 = 4
	14 - 11 = 3
	14 - 12 = 2
	14 – 13 = 1
	14 - 14 = 0

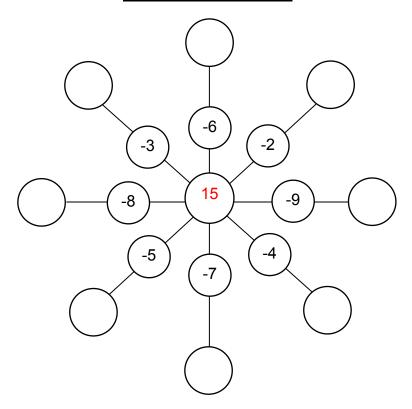
Addition by doubling is still encouraged; in year 3 doubles from 1 + 1 up to 20 + 20.

Pairs of multiples of 5 that make 100 should be worked out quickly eg 45 + 55 and pairs of multiples of 100 that total 1 000 eg 300 + 700 should be known by heart.

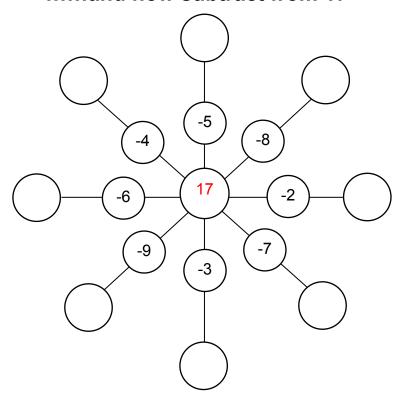
This knowledge and quick working out will only come with constant practice, most of which will still be oral, and formal written methods of addition and subtraction should not be done until these facts are reasonably well established.

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Subtract from 15

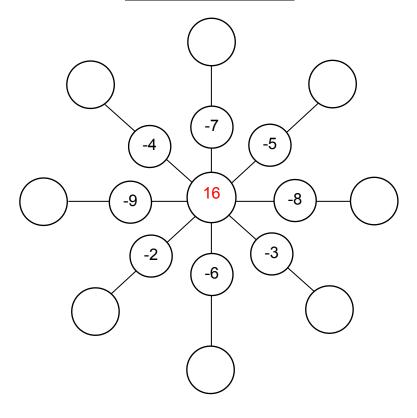


.....and now subtract from 17

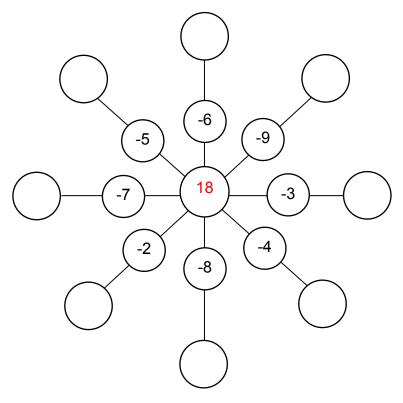


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Subtract from 16



...and now subtract from 18

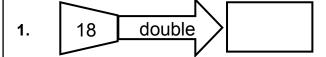


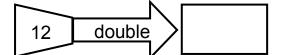
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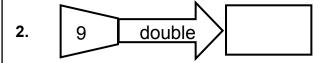
Harder doubles

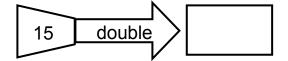


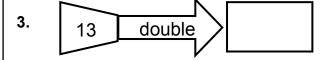
Try doubling these numbers. They are quite tricky!

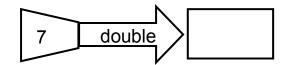


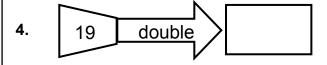


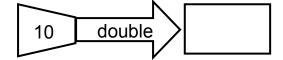


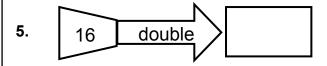


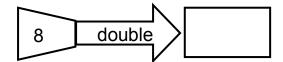


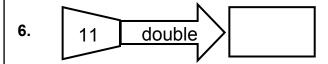


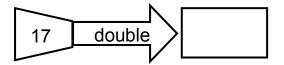












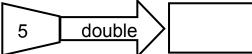
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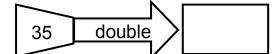
Harder doubles



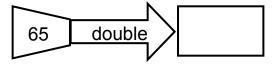
Double all these multiples of 5.

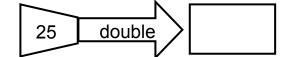
1.



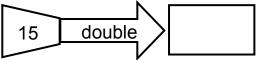


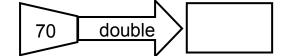
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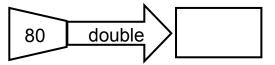


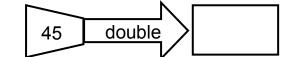
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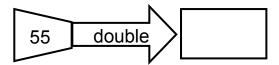


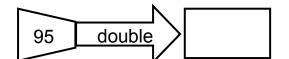
4.



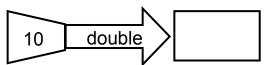


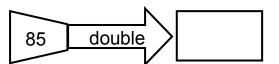
5.





6.





3236 Know addition and subtraction facts

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Find the missing numbers that make these sums correct.



What did the traffic light say to the car? Don't look now, I'm changing.

3236 Know addition and subtraction facts

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Find the missing numbers that make these sums correct.



Why did the football manager flood the pitch? So he could bring on the sub!

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Multiples of 5

Only use multiples of 5 to make each of these add up to 100.



$$() + () = 100$$

$$+$$
 = 100

$$() + () = 100$$

Hi! It's a really good idea to learn all these, off by heart – it makes maths as easy as lying down!



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Make a thousand

A thousand is a pretty big number – I wouldn't mind £1 000 to spend!



Put numbers in the boxes to make 1 000

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Make a thousand

Only use whole hundreds – how many different ways can you find?



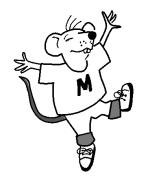
$$\left(\begin{array}{c} \\ \end{array}\right) + \left(\begin{array}{c} \\ \end{array}\right) = 1000$$

Now the hard bit – can you remember them all?



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Amazing addition and subtraction action



See how good a maths champ you are by answering these as quickly as possible!

CHAMPIONSHIP 1

3.
$$20-5=$$

4.
$$20 - 9 =$$

6.
$$45 + 45 =$$

7.
$$100 - 35 =$$

8.
$$100 - 75 =$$

9.
$$1000 - 600 =$$

CHAMPIONSHIP 2

1.
$$14 + 5 =$$

3.
$$20 - 8 =$$

4.
$$20 - 3 =$$

6.
$$55 + 55 =$$

7.
$$100 - 15 =$$

8.
$$100 - 95 =$$

9.
$$1000 - 400 =$$

10.
$$1000 - 800 =$$

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Amazing addition and subtraction action



Getting quicker with these I hope – they are all very much like the earlier ones!

CHAMPIONSHIP 3

1.
$$15 + 5 =$$

3.
$$20-1=$$

4.
$$20 - 6 =$$

6.
$$65 + 65 =$$

7.
$$100 - 25 =$$

8.
$$100 - 55 =$$

9.
$$1000 - 900 =$$

10.
$$1000 - 300 =$$

CHAMPIONSHIP 4

2.
$$13 + 7 =$$

3.
$$20 - 0 =$$

4.
$$20 - 5 =$$

6.
$$25 + 25 =$$

7.
$$100 - 85 =$$

8.
$$100 - 65 =$$

9.
$$1000 - 100 =$$

10.
$$1000 - 700 =$$

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Amazing addition and subtraction action



And a real speed by now – remember practice makes perfect!

CHAMPIONSHIP 5

1.
$$11 + 7 =$$

3.
$$20 - 3 =$$

4.
$$20 - 16 =$$

6.
$$55 + 55 =$$

7.
$$100 - 65 =$$

8.
$$100 - 25 =$$

9.
$$1000 - 400 =$$

10.
$$1000 - 200 =$$

CHAMPIONSHIP 6

3.
$$20-7=$$

4.
$$20 - 15 =$$

5.
$$17 + 1 =$$

6.
$$35 + 35 =$$

7.
$$100 - 75 =$$

8.
$$100 - 95 =$$

9.
$$1000 - 800 =$$

10.
$$1000 - 500 =$$

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Answers

Page 3										
Clockwise	from 15	5: 9			8 10) 7 1	12			
Clockwise	from 17	7: 12	9 15	10	14 8	11 1	13			
Page 4										
Clockwise	from 16	5: 9	11 8	13	10 1	4 7	12			
Clockwise	from 18	3: 12	9 15	14	10 1	6 11	13			
Page 5										
1. 36 24	2. 18	3 30	3. 26	14	4. 38 2	20 5.	. 32	16 6. 2	22 34	
Page 6										
1. 10 70	2. 13	30 50	3. 30	140	4. 160	90 5.	110	190 6. 2	20 170	
Page 7										
1.85	2. 65	3. 3		4. 15	5. 25		95	7. 75		
8. 85	9. 55	10. 1	15 1	1. 65	12. 25	13.	75	14. 5		
Page 8										
1.55	2. 35	3. 5	5	4. 85	5. 95	6.	65	7. 45		
8. 55	9. 25	10. 8	35 1	1. 35	12. 95	13.	45	14. 75		
Page 10										
1. 600	2. 300	3.	800	4. 500	5	. 700	6. 2	200		
7. 900	8. 300	9.	800	10. 100	11	. 400	12.	600		
Page 12										
Champ 1:		2. 19	3. 15	4. 11	5. 26	6. 90	7. 65		9. 400	10. 800
Champ 2:	1. 19	2. 19	3. 12	4. 17	5. 28	6. 110	7. 85	5 8. 5	9. 600	10. 200
Page 13										
Champ 3:		2. 20	3. 19	4. 14	5. 24	6. 130			9. 100	10. 700
Champ 4:	1. 18	2. 20	3. 20	4. 15	5. 32	6. 50	7. 15	5 8. 35	9. 900	10. 300
Page 14										
Champ 5:		2. 17	3. 17	4. 4	5. 28	6. 110	7. 35		9. 600	10. 800
Champ 6:	1.20	2. 18	3. 13	4. 5	5. 18	6. 70	7. 25	8. 5	9. 200	10. 500