

NETLEY
PRIMARY SCHOOL

Helping your child in Mathematics

Years 1 & 2

You can help your child to succeed in Mathematics in 3 ways:

1. Count with your child every day.

Start at different numbers. (Start at 6, 13, 39, 63, 87, 110) Count up and backwards

2. Make sure your child knows all the facts in this booklet off by heart.

Check they know them by asking them questions: "What is 4 times 2? What is 12 + 2? What is 15-3?"

3. Every day after school ask your child to tell you about something new they learned



Help your child to learn these number bonds:



These are some of the questions you could ask...

Tick them off when your child knows them



Add 1 to any number
Take away 1 from any number

What is 5 + 1? What is 8 - 1?
What is 15 + 1? What is 13 - 1?
What is 45 + 1? What is 87 - 1?



Add 2 to any number
Take away 2 from any number

What is 7 + 2? What is 9 - 2?
What is 19 + 2? What is 9 - 2?
What is 36 + 2? What is 67 - 2?



Add 3 to any number
Take away 3 from any number

What is 3 + 3? What is 7 - 3?
What is 15 + 3? What is 11 - 3?
What is 60 + 3? What is 72 - 3?



Add 4 to any number
Take away 4 from any number

What is 5 + 4? What is 8 - 4?
What is 12 + 4? What is 17 - 4?
What is 68 + 4? What is 79 - 4?



Add 5 to any number
Take away 5 from any number

What is 2 + 5? What is 9 - 5?
What is 15 + 5? What is 11 - 5?
What is 27 + 5? What is 24 - 5?



Add 6 to any number
Take away 6 from any number

What is 3 + 6? What is 8 - 6?
What is 12 + 6? What is 16 - 6?
What is 48 + 6? What is 97 - 6?



Add 7 to any number
Take away 7 from any number

What is 5 + 7? What is 7 - 7?
What is 15 + 7? What is 19 - 7?
What is 35 + 7? What is 70 - 7?



Add 8 to any number
Take away 8 from any number

What is 3 + 8? What is 9 - 8?
What is 12 + 8? What is 14 - 8?
What is 75 + 8? What is 47 - 8?



Add 9 to any number
Take away 9 from any number

What is 2 + 9? What is 10 - 9?
What is 15 + 9? What is 18 - 9?
What is 37 + 9? What is 86 - 9?



Add 10 to any number
Take away 10 from any number

What is 0 + 10? What is 10 - 10?
What is 15 + 10? What is 17 - 10?
What is 81 + 10? What is 72 - 10?

This website can help with number bonds:
<http://www.topmarks.co.uk/maths-games/hit-the-button>

Help your child to learn these times tables:



Count in 10's and say all the facts in the 10 times ta-

These are some of the questions you could ask...

What are four 10's?
What is 6 x 10?
3 x 10? 10 x 4?

Collect some 10p coins and then count them together.

"Five 10p's are 50p"



Count in 2's and say all the facts in the 2 times table:

What are eight 2's?
What is 3 x 2?
2 x 9? 7 x 2?

Count the socks after washing them. Count them in pairs.

"2,4,6,8,10,12" 12 socks

6 x 2 = 12



Count in 5's and say all the facts in the 5 times table:

What are four 5s?
What is 9 x 5?
2 x 5? 5 x 6?

Collect some 5p coins and then count them together.

"Eleven 5p's are 55p"



Count the number of fingers on peoples hands.

"Six hands is 30 fingers: 5,10,15,20,25,30!"

This website can help with times tables:



Count in 3's and say all the facts in the 3 times table:

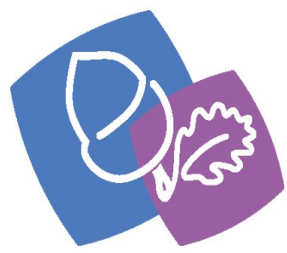
What are five 3's?
What is 8 x 3?
3 x 10? 3 x 4?

<http://ow.ly/eJ8W302GIZC>



+	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18

Does your child know all of these facts?



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Years 3 & 4

You can help your child to succeed in Mathematics in 3 ways:

1. Count with your child every day.

Start at different numbers. (145, 678, 1342, 9845) Count up and backwards.

2. Make sure your child knows all the facts in this booklet off by heart.

Check they know them by asking them

questions: "What is 4 times 6? What is 42 + 52?"

What is 85-43?

3. Every day after school ask your child to tell you about something new they learned in class.

<https://www.khanacademy.org>

Ask for your child's login



Help your child to learn these number bonds:



Know all the number bonds that make all numbers to 20.

These are some of the questions you could ask...

What is 3 + 4? 13 + 4? 17 - 3?
What is 5 + 2? 12 + 5?
What is 6 + 7? What is 16 + 7?



Know all the numbers in the 10 times table that make 100

Know that all of these make 100:

0 + 100 10 + 90 20 + 80
30 + 70 40 + 60 50 + 50



Know all the numbers in the 5 times table that make 100

Know that all of these make 100:

0 + 100 5 + 95 10 + 90
15 + 85 20 + 80 25 + 75
30 + 70 35 + 65 40 + 60
45 + 55 50 + 50 55 + 45



Know all the numbers that make 100

Know that all of these make 100:

100 + 0 99 + 1 98 + 2
97 + 3 96 + 4 95 + 5...
65 + 35 66 + 34 67 + 33
28 + 72 27 + 23 26 + 24



I can count to ten thousand in hundreds starting at 0

100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200



I can count in 10's from any number

256 266 276 286 296 306 316
417 427 437 447 457 467
1158 1258 1358 1458 1558

<http://www.ictgames.com/counting.htm>

+	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18

Help your child to learn these times tables:

Children know the 2 x table, 5 x table, 10 x table and 3 x table and can repeat it from memory quickly. They need to learn...



Count in 4's and say all the facts in the 4 times table:



On your way home, how many tyres are on the cars?

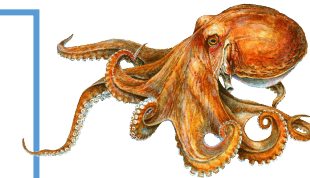
"Six cars means there are 24 tyres!"

What are four 10's?
What is 7 x 4?
3 x 4? 8 x 4?

These are some of the questions you could ask...



Count in 8's and say all the facts in the 8 times table:



How many tentacles do all the octopuses have?

"4 octopuses means there are 24 tentacles!"

What are four 8's?
What is 7 x 8?
3 x 8? 8 x 4?



Count in 6's and say all the facts in the 6 times table:

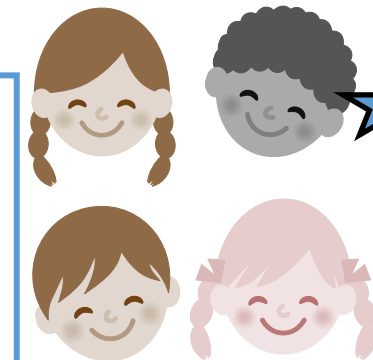
Count in 12's and say all the facts in the 12 times table:



Count in 7's and say all the facts in the 7 times table:



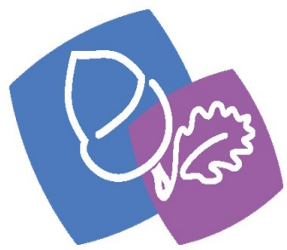
Count in 9's and say all the facts in the 9 times table:



Count in 11's and say all the facts in the 11 times table:

x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

<http://www.maths-games.org/times-tables-games.html>



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Years 5 & 6

You can help your child to succeed in Mathematics in 3 ways:

1. Count with your child every day.

Start at different numbers. (145, 6783, 13,428, 2,398,945) Count up and backwards.

2. Make sure your child knows all their times table facts off by heart. Can they work out more difficult facts?

Check they know them by asking them questions: "What is 12×6 , 8×9 , 11×7 , 43×12 , 546×9 , 1459×17 "

3. Every day after school ask your child to tell you about something new they learned in class.

<https://www.khanacademy.org>

Ask for your child's login



Help your child with addition:

Do you know all of these?

+	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18



Can solve questions using a formal method:

$$\begin{array}{r} 789 \\ + 642 \\ \hline 1431 \end{array}$$

$$\begin{array}{r} 1789 \\ + 2642 \\ \hline 4431 \end{array}$$

$$\begin{array}{r} 1.665 \\ + 0.780 \\ \hline 2.445 \end{array}$$

$$\begin{array}{r} 28.07 \\ + 13.95 \\ \hline 42.02 \end{array}$$

Can you solve these?

3765 people go and watch an Everton football match on Friday, 2748 go to the match on Saturday. How many people altogether watched Everton?

I buy a table for £176.34, a chair for £24.67 and a sofa for £345.34. How much did I spend?

$$\begin{array}{l} 435 + 26 = \quad 8943 + 62 = \\ 234 + 543 = \quad 9832 + 428 = \\ 752 + 134 = \quad 13452 + 4598 = \end{array}$$

These are some of the questions you could ask...

Help your child with subtraction:

$$534 -$$

$$\begin{array}{r} 4 \overset{12}{\cancel{5}} \overset{1}{\cancel{3}} \overset{1}{\cancel{4}} \\ - 145 \\ \hline 389 \end{array}$$

$$932 - 457 =$$

$$\begin{array}{r} 9 \overset{12}{\cancel{3}} \overset{1}{\cancel{2}} \\ - 457 \\ \hline 475 \end{array}$$

Can you solve these?

A shop has 349 cakes. They sell 162. How many are left?

There are 543 people at school. 329 are girls. How many are boys?

You can find more questions here:

<http://www.helpingwithmath.com/printables/> worksheets/

Help your child with multiplication and division:

Children know all their times tables: ★

2 x table 3 x table 4 x table 5 x table 6 x table
7 x table 8 x table 9 x table 10 x table 11 x table
12 x table

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

What are four 8's? What are six 9's?
What is 7×8 ? What is 9×4 ?
 3×8 ? 8×4 ? 5×7 ? 11×6 ? 8×12 ?

These are some of the questions you could ask...



Can solve questions using a formal method:

Short multiplication

24×6 becomes

$$\begin{array}{r} 24 \\ \times 6 \\ \hline 144 \end{array}$$

Answer: 144

342×7 becomes

$$\begin{array}{r} 342 \\ \times 7 \\ \hline 2394 \end{array}$$

Answer: 2394

2741×6 becomes

$$\begin{array}{r} 2741 \\ \times 6 \\ \hline 16446 \end{array}$$

Answer: 16 446

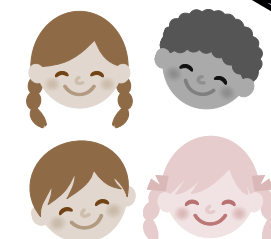
Can you solve these?

A man bakes 8 trays of cakes. Each tray has 12 cakes. How many cakes altogether?

A lady runs 1549 metres a day. How far does she run in a week?

Solve this:

$$\begin{array}{l} 125 \times 6 = \quad 256 \times 4 = \\ 694 \times 7 = \quad 847 \times 5 = \\ 1362 \times 6 = \quad 6951 \times 12 = \\ 36254 \times 3 = \quad 84576 \times 9 = \end{array}$$



These are some of the questions you could ask...