

Whole School Additive facts Overview

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Additive Facts</b>	<b>1NF–1 Develop fluency in addition and subtraction facts within 10.</b>	<b>2NF–1 Secure fluency in addition and subtraction facts within 10, through continued practice.</b>	<b>3NF–1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice.</b>			
Multiplicative Facts	1NF–2 Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers		3NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	4NF–1 Recall multiplication and division facts up to , and recognise products in multiplication tables as multiples of the corresponding number.	5NF–1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.	
				4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.		
<b>Application of Facts</b>			<b>3NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</b>	<b>4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)</b>	<b>5NF–2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).</b>	

## Reception Additive Facts

Reception	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
<b>Autumn 1</b>	Counting focus into Subitising					
<b>Autumn 2</b>	Subitising into numerals					
<b>Spring 1</b>	1+1	2+1/1+2	3+1/1+3	4+1/1+4	0+0, 1+0, 2+0, 3+0, 4+0, 5+0	Revision of week 1-5
<b>Spring 2</b>	2+2	3+2/ 2+3	3+3	All facts to 3	All facts to 4	All facts to 5
<b>Summer 1</b>	1+9/ 9+1	2+8/8+2	3+7/ 7+3	4+6/ 6+4	5+5	10+0/ 0+10
<b>Summer 2</b>	0+10/1+9/ 2+8	3+7/4+6/ 5+5	Revise to 10	4+4	Revise all doubles to 10	6+0, 7+0, 8+0, 9+0,

Adding 1	Bonds to 10	Adding 10	Bridging/ compensating
Adding 2	Adding 0	Doubles	Near doubles

# Year 1 Additive Facts (learnt with inverse subtraction facts) 1NF-1

Year 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	1+9/ 9+1	2+8/8+2	3+7/ 7+3	4+6/ 6+4	5+5	10+0/ 0+10
Autumn 2	Revise to 10	4+2/ 2+4	5+2/ 2+5	6+2/ 2+6	7+2/ 2+7	Revise adding 2
Spring 1	Revise all doubles to 10 1+1 --> 5+5	4+3/3+4	5+4/4+5	5+3 / 3+5	6+3 / 3+6	Revise 4+3, 4+5, 5+3, 6+ 3
Spring 2	2+2	3+2/ 2+3	3+3	All facts to 3	All facts to 4	All facts to 5
Summer 1	10+1 / 1+10	10+2 / 2+10	10+3 / 3+10	10+4 / 4+10	10+5/ 5+10	Revise Adding 10
Summer 2	10+1 / 1+10	10+2 / 2+10	10+3 / 3+10	10+4 / 4+10	10+5/ 5+10	Revise Adding 10

Adding 1

Bonds to 10

Adding 10

Bridging/  
compensating

Adding 2

Adding 0

Doubles

Near doubles

# Year 2 Additive Facts (learnt with inverse subtraction facts) 2NF-1

Year 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
<b>Autumn 1</b>	1+9/ 9+1	2+8/8+2	3+7/ 7+3	4+6/ 6+4	5+5	10+0/ 0+10
<b>Autumn 2</b>	Revise to 10	6+6	7+7	8+8	10+10	9+9 <small>Easier to do minus 2 ones from 20</small>
<b>Spring 1</b>	5+6/6+5	6+7/7+6	7+8/8+7	8+9/9+8	9+2/2+9	9+3/3+9
<b>Spring 2</b>	9+4/4+9	9+5/5+9	9+6/6+9	9+7/7+9	8+3/3+8	8+4/4+8
<b>Summer 1</b>	5+8/8+5	8+6/6+8	7+4/4+7	7+5/5+7	Revise all	Revise all
<b>Summer 2</b>	Split groups dependent on needs	Split groups dependent on needs	Split groups dependent on needs	Split groups dependent on needs	Split groups dependent on needs	Split groups dependent on needs

Adding 1

Bonds to 10

Adding 10

Bridging/  
compensating

Adding 2

Adding 0

Doubles

Near doubles

# Year 3 Additive Facts (learnt with inverse subtraction facts) 3NF-1 3NF-3

Year 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	1+9/ 9+1	2+8/8+2	3+7/ 7+3	4+6/ 6+4	5+5	10+0/ 0+10
Autumn 2	Revise to 10	6+6	7+7	8+8	10+10	9+9 Easier to do minus 2 ones from 20
Spring 1	5+6/6+5	6+7/7+6	7+8/8+7	8+9/9+8	9+2/2+9	9+3/3+9
Spring 2	9+4/4+9	9+5/5+9	9+6/6+9	9+7/7+9	8+3/3+8	8+4/4+8
Summer 1	5+8/8+5	8+6/6+8	7+4/4+7	7+5/5+7	Bonds to 10. Scaling facts by 10.  E.g. 1 + 9 = 10 So 10 + 90 = 100	Doubles Scaling facts by 10.  E.g. 6 + 6 = 12 So 60 + 60 = 120
Summer 2	Near Doubles Scaling facts by 10.  E.g. 5 + 6 = 11 So 50 + 60 = 110	Bridging 9 + __ facts Scaling facts by 10.  E.g. 9 + 2 = 11 So 90 + 20 = 110	Bridging 8 + __ facts Scaling facts by 10.  E.g. 8 + 3 = 11 So 80 + 30 = 110	Bridging 7 + __ facts Scaling facts by 10.  E.g. 7 + 4 = 11 So 70 + 40 = 110	Revise	Revise

Adding 1

Bonds to 10

Adding 10

Bridging/  
compensating

Adding 2

Adding 0

Doubles

Near doubles

# Year 4 Additive Facts (learnt with inverse subtraction facts) 3NF-3 4NF-3

Year 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
<b>Autumn 1</b>	<b>Bonds to 10.</b> Scaling facts by 10.  E.g. $1 + 9 = 10$ So $10 + 90 = 100$	<b>Doubles</b> Scaling facts by 10.  E.g. $6 + 6 = 12$ So $60 + 60 = 120$	<b>Near Doubles</b> Scaling facts by 10.  E.g. $5 + 6 = 11$ So $50 + 60 = 110$	<b>Bridging 9 + __ facts</b> Scaling facts by 10.  E.g. $9 + 2 = 11$ So $90 + 20 = 110$	<b>Bridging 8 + __ facts</b> Scaling facts by 10.  E.g. $8 + 3 = 11$ So $80 + 30 = 110$	<b>Bridging 7 + __ facts</b> Scaling facts by 10.  E.g. $7 + 4 = 11$ So $70 + 40 = 110$
<b>Autumn 2</b>	<b>Bonds to 10.</b> Scaling facts by 100.  E.g. $1 + 9 = 10$ So $100 + 900 = 1000$	<b>Doubles</b> Scaling facts by 100.  E.g. $6 + 6 = 12$ So $600 + 600 = 1200$	<b>Near Doubles</b> Scaling facts by 100.  E.g. $5 + 6 = 11$ So $500 + 600 = 1100$	<b>Bridging 9 + __ facts</b> Scaling facts by 100.  E.g. $9 + 2 = 11$ So $900 + 200 = 1100$	<b>Bridging 8 + __ facts</b> Scaling facts by 100.  E.g. $8 + 3 = 11$ So $800 + 300 = 1100$	<b>Bridging 7 + __ facts</b> Scaling facts by 100.  E.g. $7 + 4 = 11$ So $700 + 400 = 1100$
<b>Spring 1</b>	<b>Bonds to 10.</b> Fractions (<1)  E.g. $1 + 9 = 10$ So $\frac{1}{20} + \frac{9}{20} = \frac{10}{20}$	<b>Doubles</b> Fractions (<1)  E.g. $6 + 6 = 12$ So $\frac{6}{20} + \frac{6}{20} = \frac{12}{20}$	<b>Near Doubles</b> Fractions (<1)  E.g. $5 + 6 = 11$ So $\frac{5}{20} + \frac{6}{20} = \frac{11}{20}$	<b>Bridging 9 + __ facts</b> Fractions (<1)  E.g. $9 + 2 = 11$ So $\frac{9}{20} + \frac{2}{20} = \frac{11}{20}$	<b>Bridging 8 + __ facts</b> Fractions (<1)  E.g. $8 + 3 = 11$ So $\frac{8}{20} + \frac{3}{20} = \frac{11}{20}$	<b>Bridging 7 + __ facts</b> Fractions (<1)  E.g. $7 + 4 = 11$ So $\frac{7}{20} + \frac{4}{20} = \frac{11}{20}$
<b>Spring 2</b>	<b>Bonds to 10.</b> Scaling facts by 100 with partitioning.  E.g. $1 + 9 = 10$ So $111 + 999 = 1000$ $100 + 900 = 1000$ $10 + 90 = 100$ $1 + 9 = 10$ $1000 + 100 + 10 = 1110$	<b>Doubles</b> Scaling facts by 100 with partitioning.  E.g. $6 + 6 = 12$ So $666 + 666 = 1200$ $600 + 600 = 1200$ $60 + 60 = 120$ $6 + 6 = 12$ $1200 + 120 + 12 = 1332$	<b>Near Doubles</b> Scaling facts by 100.  E.g. $5 + 6 = 11$ So $555 + 666 = 1100$ $500 + 600 = 1100$ $50 + 60 = 110$ $5 + 6 = 11$ $1100 + 110 + 11 = 1221$	<b>Bridging 9 + __ facts</b> Scaling facts by 100.  E.g. $9 + 2 = 11$ So $999 + 222 = 1100$ $900 + 200 = 1100$ $90 + 20 = 110$ $9 + 2 = 11$ $1100 + 110 + 11 = 1221$	<b>Bridging 8 + __ facts</b> Scaling facts by 100.  E.g. $8 + 3 = 11$ So $888 + 333 = 1100$ $800 + 300 = 1100$ $80 + 30 = 110$ $8 + 3 = 11$ $1100 + 110 + 11 = 1221$	<b>Bridging 7 + __ facts</b> Scaling facts by 100.  E.g. $7 + 4 = 11$ So $777 + 444 = 1100$ $700 + 400 = 1100$ $70 + 40 = 110$ $7 + 4 = 11$ $1100 + 110 + 11 = 1221$
<b>Summer 1</b>	<b>Bonds to 10.</b> Fractions (= 1 or >1)  E.g. $1 + 9 = 10$ So $\frac{1}{10} + \frac{9}{10} = \frac{10}{10} = 1$	<b>Doubles</b> Fractions (<1) improper & mixed  E.g. $6 + 6 = 12$ So $\frac{6}{10} + \frac{6}{10} = \frac{12}{10} = 1 \frac{2}{10}$	<b>Near Doubles</b> Fractions (<1) improper & mixed  E.g. $5 + 6 = 11$ So $\frac{5}{10} + \frac{6}{10} = \frac{11}{10} = 1 \frac{1}{10}$	<b>Bridging 9 + __ facts</b> Fractions (<1) improper & mixed  E.g. $9 + 2 = 11$ So $\frac{9}{10} + \frac{2}{10} = \frac{11}{10} = 1 \frac{1}{10}$	<b>Bridging 8 + __ facts</b> Fractions (<1) improper & mixed  E.g. $8 + 3 = 11$ So $\frac{8}{10} + \frac{3}{10} = \frac{11}{10} = 1 \frac{1}{10}$	<b>Bridging 7 + __ facts</b> Fractions (<1) improper & mixed  E.g. $7 + 4 = 11$ So $\frac{7}{10} + \frac{4}{10} = \frac{11}{10} = 1 \frac{1}{10}$
<b>Summer 2</b>	<b>Bonds to 10.</b> Application of all	<b>Doubles</b> Application of all	<b>Near Doubles</b> Application of all	<b>Bridging 9 + __ facts</b> Application of all	<b>Bridging 8 + __ facts</b> Application of all	<b>Bridging 7 + __ facts</b> Application of all

Adding 1	Bonds to 10	Adding 10	Bridging/compensating
Adding 2	Adding 0	Doubles	Near doubles

# Year 5 Additive Facts (learnt with inverse subtraction facts) 4NF-3 5NF-3

Year 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
<b>Autumn 1</b>	<b>Bonds to 10.</b> Scaling facts by 100.  E.g. $1 + 9 = 10$ So $100 + 900 = 1000$	<b>Doubles</b> Scaling facts by 100.  E.g. $6 + 6 = 12$ So $600 + 600 = 1200$	<b>Near Doubles</b> Scaling facts by 100.  E.g. $5 + 6 = 11$ So $500 + 600 = 1100$	<b>Bridging 9 + __ facts</b> Scaling facts by 100.  E.g. $9 + 2 = 11$ So $900 + 200 = 1100$	<b>Bridging 8 + __ facts</b> Scaling facts by 100.  E.g. $8 + 3 = 11$ So $800 + 300 = 1100$	<b>Bridging 7 + __ facts</b> Scaling facts by 100.  E.g. $7 + 4 = 11$ So $700 + 400 = 1100$
<b>Autumn 2</b>	<b>Bonds to 10.</b> Scaling facts by 1 tenth.  E.g. $1 + 9 = 10$ So $0.1 + 0.9 = 1$	<b>Doubles</b> Scaling facts by 1 tenth.  E.g. $6 + 6 = 12$ So $0.6 + 0.6 = 1.2$	<b>Near Doubles</b> Scaling facts by 1 tenth.  E.g. $5 + 6 = 11$ So $0.5 + 0.6 = 1.1$	<b>Bridging 9 + __ facts</b> Scaling facts by 1 tenth.  E.g. $9 + 2 = 11$ So $0.9 + 0.2 = 1.1$	<b>Bridging 8 + __ facts</b> Scaling facts by 1 tenth.  E.g. $8 + 3 = 11$ So $0.8 + 0.3 = 1.1$	<b>Bridging 7 + __ facts</b> Scaling facts by 1 tenth.  E.g. $7 + 4 = 11$ So $0.7 + 0.4 = 1.1$
<b>Spring 1</b>	<b>Bonds to 10.</b> Scaling facts by 1 hundredth.  E.g. $1 + 9 = 10$ So $0.01 + 0.09 = 0.1$	<b>Doubles</b> Scaling facts by 1 hundredth.  E.g. $6 + 6 = 12$ So $0.06 + 0.06 = 0.12$	<b>Near Doubles</b> Scaling facts by 1 hundredth.  E.g. $5 + 6 = 11$ So $0.05 + 0.06 = 0.11$	<b>Bridging 9 + __ facts</b> Scaling facts by 1 hundredth.  E.g. $9 + 2 = 11$ So $0.09 + 0.02 = 0.11$	<b>Bridging 8 + __ facts</b> Scaling facts by 1 hundredth.  E.g. $8 + 3 = 11$ So $0.08 + 0.03 = 0.11$	<b>Bridging 7 + __ facts</b> Scaling facts by 1 hundredth.  E.g. $7 + 4 = 11$ So $0.07 + 0.04 = 0.11$
<b>Spring 2</b>	<b>Bonds to 10.</b> Fractions (<1)  E.g. $1 + 9 = 10$ So $\frac{1}{20} + \frac{9}{20} = \frac{10}{20}$	<b>Doubles</b> Fractions (<1)  E.g. $6 + 6 = 12$ So $\frac{6}{20} + \frac{6}{20} = \frac{12}{20}$	<b>Near Doubles</b> Fractions (<1)  E.g. $5 + 6 = 11$ So $\frac{5}{20} + \frac{6}{20} = \frac{11}{20}$	<b>Bridging 9 + __ facts</b> Fractions (<1)  E.g. $9 + 2 = 11$ So $\frac{9}{20} + \frac{2}{20} = \frac{11}{20}$	<b>Bridging 8 + __ facts</b> Fractions (<1)  E.g. $8 + 3 = 11$ So $\frac{8}{20} + \frac{3}{20} = \frac{11}{20}$	<b>Bridging 7 + __ facts</b> Fractions (<1)  E.g. $7 + 4 = 11$ So $\frac{7}{20} + \frac{4}{20} = \frac{11}{20}$
<b>Summer 1</b>	<b>Bonds to 10.</b> Scaling facts by 100 with partitioning.  E.g. $1 + 9 = 10$ So $111 + 999 = 1000$ $100 + 900 = 1000$ $10 + 90 = 100$ $1 + 9 = 10$ $1000 + 100 + 10 = 1110$	<b>Doubles</b> Scaling facts by 100 with partitioning.  E.g. $6 + 6 = 12$ So $666 + 666 = 1200$ $600 + 600 = 1200$ $60 + 60 = 120$ $6 + 6 = 12$ $1200 + 120 + 12 = 1332$	<b>Near Doubles</b> Scaling facts by 100.  E.g. $5 + 6 = 11$ So $555 + 666 = 1100$ $500 + 600 = 1100$ $50 + 60 = 110$ $5 + 6 = 11$ $1100 + 110 + 11 = 1221$	<b>Bridging 9 + __ facts</b> Scaling facts by 100.  E.g. $9 + 2 = 11$ So $999 + 222 = 1100$ $900 + 200 = 1100$ $90 + 20 = 110$ $9 + 2 = 11$ $1100 + 110 + 11 = 1221$	<b>Bridging 8 + __ facts</b> Scaling facts by 100.  E.g. $8 + 3 = 11$ So $888 + 333 = 1100$ $800 + 300 = 1100$ $80 + 30 = 110$ $8 + 3 = 11$ $1100 + 110 + 11 = 1221$	<b>Bridging 7 + __ facts</b> Scaling facts by 100.  E.g. $7 + 4 = 11$ So $777 + 444 = 1100$ $700 + 400 = 1100$ $70 + 40 = 110$ $7 + 4 = 11$ $1100 + 110 + 11 = 1221$
<b>Summer 2</b>	<b>Bonds to 10.</b> Fractions (= 1 or >1)  E.g. $1 + 9 = 10$ So $\frac{1}{10} + \frac{9}{10} = \frac{10}{10} = 1$	<b>Doubles</b> Fractions (<1) improper & mixed  E.g. $6 + 6 = 12$ So $\frac{6}{10} + \frac{6}{10} = \frac{12}{10} = 1\frac{2}{10}$	<b>Near Doubles</b> Fractions (<1) improper & mixed  E.g. $5 + 6 = 11$ So $\frac{5}{10} + \frac{6}{10} = \frac{11}{10} = 1\frac{1}{10}$	<b>Bridging 9 + __ facts</b> Fractions (<1) improper & mixed  E.g. $9 + 2 = 11$ So $\frac{9}{10} + \frac{2}{10} = \frac{11}{10} = 1\frac{1}{10}$	<b>Bridging 8 + __ facts</b> Fractions (<1) improper & mixed  E.g. $8 + 3 = 11$ So $\frac{8}{10} + \frac{3}{10} = \frac{11}{10} = 1\frac{1}{10}$	<b>Bridging 7 + __ facts</b> Fractions (<1) improper & mixed  E.g. $7 + 4 = 11$ So $\frac{7}{10} + \frac{4}{10} = \frac{11}{10} = 1\frac{1}{10}$

Adding 1	Bonds to 10	Adding 10	Bridging/compensating
Adding 2	Adding 0	Doubles	Near doubles

Adding 1

Bonds to 10

Adding 10


Bridging/  
compensating

Adding 2

Adding 0

Doubles

Near doubles

Y1 fa  


+	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10