

Good	Great	Super
✈️ I know what must be added to any 3 digit number to make the next multiple of 100.		
130 + __ = 200 (70)	135 + __ = 200 (65)	128 + __ = 200 (72)
270 + __ = 300 (30)	265 + __ = 300 (35)	264 + __ = 300 (36)
340 + __ = 400 (60)	315 + __ = 400 (85)	371 + __ = 400 (29)
420 + __ = 500 (80)	455 + __ = 500 (45)	467 + __ = 500 (33)
680 + __ = 700 (20)	875 + __ = 900 (25)	688 + __ = 700 (12)

✈️ I can add and subtract multiples of 10, 100 and 1000.																																																																													
<table border="1"> <tr><td>+</td><td>130</td><td>220</td><td>310</td><td>550</td></tr> <tr><td>200</td><td>330</td><td>420</td><td>510</td><td>750</td></tr> <tr><td>400</td><td>530</td><td>620</td><td>710</td><td>950</td></tr> <tr><td>300</td><td>430</td><td>520</td><td>610</td><td>850</td></tr> <tr><td>100</td><td>230</td><td>320</td><td>410</td><td>650</td></tr> </table>	+	130	220	310	550	200	330	420	510	750	400	530	620	710	950	300	430	520	610	850	100	230	320	410	650	<table border="1"> <tr><td>+</td><td>130</td><td>220</td><td>310</td><td>550</td></tr> <tr><td>60</td><td>190</td><td>280</td><td>370</td><td>610</td></tr> <tr><td>90</td><td>220</td><td>310</td><td>400</td><td>640</td></tr> <tr><td>70</td><td>200</td><td>290</td><td>380</td><td>620</td></tr> <tr><td>40</td><td>170</td><td>260</td><td>350</td><td>590</td></tr> </table>	+	130	220	310	550	60	190	280	370	610	90	220	310	400	640	70	200	290	380	620	40	170	260	350	590	<table border="1"> <tr><td>-</td><td>240</td><td>560</td><td>720</td><td>150</td></tr> <tr><td>2000</td><td>1760</td><td>1440</td><td>1280</td><td>1850</td></tr> <tr><td>5000</td><td>4760</td><td>4440</td><td>4280</td><td>4850</td></tr> <tr><td>6000</td><td>5760</td><td>5440</td><td>5280</td><td>5850</td></tr> <tr><td>3000</td><td>2760</td><td>2440</td><td>2280</td><td>2850</td></tr> </table>	-	240	560	720	150	2000	1760	1440	1280	1850	5000	4760	4440	4280	4850	6000	5760	5440	5280	5850	3000	2760	2440	2280	2850
+	130	220	310	550																																																																									
200	330	420	510	750																																																																									
400	530	620	710	950																																																																									
300	430	520	610	850																																																																									
100	230	320	410	650																																																																									
+	130	220	310	550																																																																									
60	190	280	370	610																																																																									
90	220	310	400	640																																																																									
70	200	290	380	620																																																																									
40	170	260	350	590																																																																									
-	240	560	720	150																																																																									
2000	1760	1440	1280	1850																																																																									
5000	4760	4440	4280	4850																																																																									
6000	5760	5440	5280	5850																																																																									
3000	2760	2440	2280	2850																																																																									

✈️ I know by heart the x6 tables.		
1 x 6 = 6	7 x 6 = 42	5 x 6 = 30
2 x 6 = 12	8 x 6 = 48	4 x 6 = 24
3 x 6 = 18	9 x 6 = 54	3 x 6 = 18
4 x 6 = 24	10 x 6 = 60	2 x 6 = 12
5 x 6 = 30	11 x 6 = 66	7 x 6 = 42
6 x 6 = 36	12 x 6 = 72	6 x 6 = 36
		1 x 6 = 6
		11 x 6 = 66
		12 x 6 = 72
		9 x 6 = 54
		10 x 6 = 60
		36 ÷ 6 = 6
		48 ÷ 6 = 8
		18 ÷ 6 = 3
		12 ÷ 6 = 2
		66 ÷ 6 = 11
		54 ÷ 6 = 9
		42 ÷ 6 = 7
		24 ÷ 6 = 4
		60 ÷ 6 = 10
		72 ÷ 6 = 12
		6 ÷ 6 = 1
		30 ÷ 6 = 5

✈️ I know by heart the x7 tables.		
1 x 7 = 7	7 x 7 = 49	5 x 7 = 35
2 x 7 = 14	8 x 7 = 56	4 x 7 = 28
3 x 7 = 21	9 x 7 = 63	3 x 7 = 21
4 x 7 = 28	10 x 7 = 70	2 x 7 = 14
5 x 7 = 35	11 x 7 = 77	7 x 7 = 49
6 x 7 = 42	12 x 7 = 84	6 x 7 = 42
		1 x 7 = 7
		11 x 7 = 77
		12 x 7 = 84
		9 x 7 = 63
		10 x 7 = 70
		42 ÷ 7 = 6
		56 ÷ 7 = 8
		21 ÷ 7 = 3
		14 ÷ 7 = 2
		77 ÷ 7 = 11
		63 ÷ 7 = 9
		49 ÷ 7 = 7
		28 ÷ 7 = 4
		70 ÷ 7 = 10
		84 ÷ 7 = 12
		7 ÷ 7 = 1
		35 ÷ 7 = 5

# All Saints' Maths Passport



## Y4

Name: .....

Good	Great	Super
🚲 I can halve any even number to 200.		
<b>Halve...</b>		
26	34	48
52	64	78
86	92	108
112	126	134
144	156	168
172	184	196
13	17	24
26	32	39
43	46	54
56	63	67
72	78	84
86	92	98
🚲 I know by heart the x9 tables.		
1 x 9 = 9	7 x 9 = 63	5 x 9 = 45
2 x 9 = 18	8 x 9 = 72	4 x 9 = 36
3 x 9 = 27	9 x 9 = 81	3 x 9 = 27
4 x 9 = 36	10 x 9 = 90	2 x 9 = 18
5 x 9 = 45	11 x 9 = 99	7 x 9 = 63
6 x 9 = 54	12 x 9 = 108	6 x 9 = 54
		1 x 9 = 9
		11 x 9 = 99
		12 x 9 = 108
		9 x 9 = 81
		10 x 9 = 90
		54 ÷ 9 = 6
		72 ÷ 9 = 8
		27 ÷ 9 = 3
		18 ÷ 9 = 2
		99 ÷ 9 = 11
		81 ÷ 9 = 9
		63 ÷ 9 = 7
		36 ÷ 9 = 4
		90 ÷ 9 = 10
		108 ÷ 9 = 12
		9 ÷ 9 = 1
		45 ÷ 9 = 5
🚲 I can, with jottings, find unit fractions and simple non-unit fractions of numbers and quantities.		
1/3 of 6 = 2	1/6 of 18 = 3	2/5 of 25 = 10
1/5 of 25 = 5	1/10 of 30 = 3	2/6 of 12 = 4
1/4 of 24 = 6	1/5 of 30 = 6	4/5 of 60 = 48
1/8 of 16 = 2	1/2 of 22 = 11	2/3 of 15 = 10
		2/5 of 20 = 8
		5/6 of 42 = 35
		3/5 of 35 = 21
		2/3 of 18 = 12
		3/4 of 200g = 150g
		5/6 of 300g = 250g
		1/3 of 120ml = 40ml
		3/8 of 40km = 15km

<b>Good</b>	<b>Great</b>	<b>Super</b>
-------------	--------------	--------------

I can add near doubles of 2 digit numbers.		
--	--	--

<table border="1" style="width:100%;"> <tr><td>61 + 60 <b>121</b></td><td>92 + 90 <b>182</b></td></tr> <tr><td>80 + 81 <b>161</b></td><td>51 + 49 <b>100</b></td></tr> <tr><td>51 + 50 <b>101</b></td><td>71 + 69 <b>140</b></td></tr> <tr><td>72 + 70 <b>142</b></td><td>91 + 89 <b>180</b></td></tr> </table>	61 + 60 <b>121</b>	92 + 90 <b>182</b>	80 + 81 <b>161</b>	51 + 49 <b>100</b>	51 + 50 <b>101</b>	71 + 69 <b>140</b>	72 + 70 <b>142</b>	91 + 89 <b>180</b>	<table border="1" style="width:100%;"> <tr><td>84 + 85 <b>169</b></td><td>58 + 59 <b>117</b></td></tr> <tr><td>64 + 65 <b>129</b></td><td>93 + 94 <b>187</b></td></tr> <tr><td>74 + 75 <b>149</b></td><td>62 + 61 <b>123</b></td></tr> <tr><td>82 + 83 <b>165</b></td><td>95 + 94 <b>189</b></td></tr> </table>	84 + 85 <b>169</b>	58 + 59 <b>117</b>	64 + 65 <b>129</b>	93 + 94 <b>187</b>	74 + 75 <b>149</b>	62 + 61 <b>123</b>	82 + 83 <b>165</b>	95 + 94 <b>189</b>	<table border="1" style="width:100%;"> <tr><td>87 + 86 <b>173</b></td><td>68 + 67 <b>135</b></td></tr> <tr><td>58 + 59 <b>117</b></td><td>78 + 77 <b>155</b></td></tr> <tr><td>96 + 97 <b>193</b></td><td>55 + 56 <b>111</b></td></tr> <tr><td>57 + 58 <b>115</b></td><td>99 + 98 <b>197</b></td></tr> </table>	87 + 86 <b>173</b>	68 + 67 <b>135</b>	58 + 59 <b>117</b>	78 + 77 <b>155</b>	96 + 97 <b>193</b>	55 + 56 <b>111</b>	57 + 58 <b>115</b>	99 + 98 <b>197</b>
61 + 60 <b>121</b>	92 + 90 <b>182</b>																									
80 + 81 <b>161</b>	51 + 49 <b>100</b>																									
51 + 50 <b>101</b>	71 + 69 <b>140</b>																									
72 + 70 <b>142</b>	91 + 89 <b>180</b>																									
84 + 85 <b>169</b>	58 + 59 <b>117</b>																									
64 + 65 <b>129</b>	93 + 94 <b>187</b>																									
74 + 75 <b>149</b>	62 + 61 <b>123</b>																									
82 + 83 <b>165</b>	95 + 94 <b>189</b>																									
87 + 86 <b>173</b>	68 + 67 <b>135</b>																									
58 + 59 <b>117</b>	78 + 77 <b>155</b>																									
96 + 97 <b>193</b>	55 + 56 <b>111</b>																									
57 + 58 <b>115</b>	99 + 98 <b>197</b>																									

I know doubles of numbers to 100 and corresponding halves.		
--	--	--

<b>Double...</b>																			
17	19	21	27	32	35	44	49	56	57	62	65	74	79	86	88	93	97		
34	38	42	54	64	70	88	98	112	114	124	130	148	158	172	176	186	194		

I can use partitioning to calculate mentally.		
---	--	--

55 + 36	50 + 30 + 6 + 5 = 91	155 + 30	100 + 50 + 30 + 5 = 185	186 - 40	100 + 80 + 6 - 40 = 146
43 + 39	40 + 30 + 9 + 3 = 82	142 + 40	100 + 40 + 40 + 2 = 182	197 - 70	100 + 90 + 7 - 70 = 127
45 + 29	40 + 20 + 9 + 5 = 74	241 + 50	200 + 40 + 50 + 1 = 291	154 - 30	100 + 50 + 4 - 30 = 124
68 - 32	60 - 30 + 8 - 2 = 36	453 + 20	400 + 50 + 20 + 3 = 473	348 - 30	300 + 40 + 8 - 30 = 318
87 - 45	80 - 40 + 7 - 5 = 42	185 + 40	100 + 80 + 40 + 5 = 225	584 - 60	500 + 80 + 4 - 60 = 524

I know by heart the x11 tables.		
---------------------------------	--	--

1 x 11 = 11	7 x 11 = 77	5 x 11 = 55	10 x 11 = 110	66 ÷ 11 = 6	88 ÷ 11 = 8
2 x 11 = 22	8 x 11 = 88	4 x 11 = 44	8 x 11 = 88	33 ÷ 11 = 3	22 ÷ 11 = 2
3 x 11 = 33	9 x 11 = 99	3 x 11 = 33	2 x 11 = 22	121 ÷ 11 = 11	99 ÷ 11 = 9
4 x 11 = 44	10 x 11 = 110	7 x 11 = 77	6 x 11 = 66	77 ÷ 11 = 7	44 ÷ 11 = 4
5 x 11 = 55	11 x 11 = 121	1 x 11 = 11	11 x 11 = 121	110 ÷ 11 = 10	132 ÷ 11 = 12
6 x 11 = 66	12 x 11 = 132	12 x 11 = 132	9 x 11 = 99	11 ÷ 11 = 1	55 ÷ 11 = 5

<b>Good</b>	<b>Great</b>	<b>Super</b>
-------------	--------------	--------------

I can double a multiple of 10 or 100.		
---------------------------------------	--	--

<b>Double...</b>																	
60	70	80	90	140	160	190	300	500	700	800	1200	1300	1400	1500	1600	1700	1800
120	140	160	180	280	320	380	600	1000	1400	1600	2400	2600	2800	3000	3200	3400	3600

I can recall number bonds to 1000.		
------------------------------------	--	--

150 + <b>850</b>	50 + <b>950</b>	130 + <b>870</b>	180 + <b>820</b>	255 + <b>745</b>	364 + <b>636</b>
350 + <b>650</b>	310 + <b>690</b>	380 + <b>620</b>	360 + <b>640</b>	168 + <b>832</b>	487 + <b>513</b>
750 + <b>250</b>	810 + <b>190</b>	720 + <b>280</b>	860 + <b>140</b>	684 + <b>316</b>	522 + <b>478</b>
450 + <b>550</b>	610 + <b>390</b>	490 + <b>510</b>	530 + <b>470</b>	934 + <b>66</b>	785 + <b>215</b>
<i>With jottings</i>					

I know by heart the x12 tables.		
---------------------------------	--	--

1 x 12 = 12	7 x 12 = 84	5 x 12 = 60	10 x 12 = 120	72 ÷ 12 = 6	96 ÷ 12 = 8
2 x 12 = 24	8 x 12 = 96	4 x 12 = 48	8 x 12 = 96	36 ÷ 12 = 3	24 ÷ 12 = 2
3 x 12 = 36	9 x 12 = 108	3 x 12 = 36	2 x 12 = 24	132 ÷ 12 = 11	108 ÷ 12 = 9
4 x 12 = 48	10 x 12 = 120	7 x 12 = 84	6 x 12 = 72	84 ÷ 12 = 7	48 ÷ 12 = 4
5 x 12 = 60	11 x 12 = 132	1 x 12 = 12	11 x 12 = 132	120 ÷ 12 = 10	144 ÷ 12 = 12
6 x 12 = 72	12 x 12 = 144	12 x 12 = 144	9 x 12 = 108	12 ÷ 12 = 1	60 ÷ 12 = 5

I can recall pairs of fractions that total 1.		
---	--	--

$\frac{1}{2} + \frac{1}{2}$	$\frac{2}{5} + \frac{3}{5}$	$\frac{3}{8} + \frac{5}{8}$
$\frac{1}{3} + \frac{2}{3}$	$\frac{1}{6} + \frac{5}{6}$	$\frac{1}{9} + \frac{8}{9}$
$\frac{1}{4} + \frac{3}{4}$	$\frac{2}{6} + \frac{4}{6}$	$\frac{2}{9} + \frac{7}{9}$
$\frac{1}{5} + \frac{4}{5}$	$\frac{1}{8} + \frac{7}{8}$	$\frac{4}{9} + \frac{5}{9}$
$\frac{1}{10} + \frac{9}{10}$	$\frac{2}{10} + \frac{8}{10}$	$\frac{7}{12} + \frac{5}{12}$