

# Halving to Divide by 4, 8 and 16 with Decimals

LO: I can use halving to divide by 4, 8 and 16

Halve the starting number each time to divide the starting number by 4, 8 or 16.

	halve ( $\div 2$ )	$\div 4$	$\div 8$	$\div 16$
72				
96				
10				
81				
34				
87				
98				
89				
17				
36				
567				
956				
813				
337				
409				
924				
785				
658				
889				
950				
3488				
1559				
8018				

	halve ( $\div 2$ )	$\div 4$	$\div 8$	$\div 16$
6576				
6103				
8313				
2421				
8338				
5158				
1646				
27 493				
81 294				
81 359				
62 241				
87 934				
39 771				
22 209				
52 286				
21 159				
85 326				
583 021				
490 484				
479 503				
578 955				
876 543				
260 799				
629 772				
585 715				
132 214				
302 323				

## Halving to Divide by 4, 8 and 16 with Decimals: Answers

question	answer			
	halve ( $\div 2$ )	$\div 4$	$\div 8$	$\div 16$
72	36	18	9	4.5
96	48	24	12	6
10	5	2.5	1.25	0.625
81	40.5	20.25	10.125	5.0625
34	17	8.5	4.25	2.125
87	43.5	21.75	10.875	5.4375
98	49	24.5	12.25	6.125
89	44.5	22.25	11.125	5.5625
17	8.5	4.25	2.125	1.0625
36	18	9	4.5	2.25
567	283.5	141.75	70.875	35.4375
956	478	239	119.5	59.75
813	406.5	203.25	101.625	50.8125
337	168.5	84.25	42.125	21.0625
409	204.5	102.25	51.125	25.5625
924	462	231	115.5	57.75
785	392.5	196.25	98.125	49.0625
658	329	164.5	82.25	41.125
889	444.5	222.25	111.125	55.5625
950	475	237.5	118.75	59.375
3488	1744	872	436	218
1559	779.5	389.75	194.875	97.4375
8018	4009	2004.5	1002.25	501.125
6576	3288	1644	822	411
6103	3051.5	1525.75	762.875	381.4375
8313	4156.5	2078.25	1039.125	519.5625
2421	1210.5	605.25	302.625	151.3125
8338	4169	2084.5	1042.25	521.125
5158	2579	1289.5	644.75	322.375
1646	823	411.5	205.75	102.875
27 493	13 746.5	6873.25	3436.625	1718.3125
81 294	40 647	20 323.5	10 161.75	5080.875
81 359	40 679.5	20 339.75	10 169.875	5084.9375
62 241	31 120.5	15 560.25	7780.125	3890.0625
87 934	43 967	21 983.5	10 991.75	5495.875
39 771	19 885.5	9942.75	4971.375	2485.6875

question	answer			
	halve ( $\div 2$ )	$\div 4$	$\div 8$	$\div 16$
22 209	<b>11 104.5</b>	<b>5552.25</b>	<b>2776.125</b>	<b>1388.0625</b>
52 286	<b>26 143</b>	<b>13 071.5</b>	<b>6535.75</b>	<b>3267.875</b>
21 159	<b>10 579.5</b>	<b>5289.75</b>	<b>2644.875</b>	<b>1322.4375</b>
85 326	<b>42 663</b>	<b>21 331.5</b>	<b>10 665.75</b>	<b>5332.875</b>
583 021	<b>291 510.5</b>	<b>145 755.25</b>	<b>72 877.625</b>	<b>36 438.8125</b>
490 484	<b>245 242</b>	<b>122 621</b>	<b>61 310.5</b>	<b>30 655.25</b>
479 503	<b>239 751.5</b>	<b>119 875.75</b>	<b>59 937.875</b>	<b>29 968.9375</b>
578 955	<b>289 477.5</b>	<b>144 738.75</b>	<b>72 369.375</b>	<b>36 184.6875</b>
876 543	<b>438 271.5</b>	<b>219 135.75</b>	<b>109 567.875</b>	<b>54 783.9375</b>
260 799	<b>130 399.5</b>	<b>65 199.75</b>	<b>32 599.875</b>	<b>16 299.9375</b>
629 772	<b>314 886</b>	<b>157 443</b>	<b>787 21.5</b>	<b>39 360.75</b>
585 715	<b>292 857.5</b>	<b>146 428.75</b>	<b>73 214.375</b>	<b>36 607.1875</b>
132 214	<b>66 107</b>	<b>33 053.5</b>	<b>16 526.75</b>	<b>8263.375</b>
302 323	<b>151 161.5</b>	<b>75 580.75</b>	<b>37 790.375</b>	<b>18 895.1875</b>