



Star Challenge 1

I can find a quarter of a number



$\frac{1}{4}$ of 4	$\frac{1}{4}$ of 280	$\frac{1}{4}$ of 48	$\frac{1}{4}$ of 100	$\frac{1}{4}$ of 120	$\frac{1}{4}$ of 480	$\frac{1}{4}$ of 80	$\frac{1}{4}$ of 140	$\frac{1}{4}$ of 200	$\frac{1}{4}$ of 84
$\frac{1}{4}$ of 60	$\frac{1}{4}$ of 128	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 56	$\frac{1}{4}$ of 88	$\frac{1}{4}$ of 204	$\frac{1}{4}$ of 32	$\frac{1}{4}$ of 160	$\frac{1}{4}$ of 280	$\frac{1}{4}$ of 96
$\frac{1}{4}$ of 160	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 216	$\frac{1}{4}$ of 28	$\frac{1}{4}$ of 68	$\frac{1}{4}$ of 220	$\frac{1}{4}$ of 228	$\frac{1}{4}$ of 44	$\frac{1}{4}$ of 20	$\frac{1}{4}$ of 208
$\frac{1}{4}$ of 60	$\frac{1}{4}$ of 404	$\frac{1}{4}$ of 176	$\frac{1}{4}$ of 212	$\frac{1}{4}$ of 196	$\frac{1}{4}$ of 192	$\frac{1}{4}$ of 800	$\frac{1}{4}$ of 180	$\frac{1}{4}$ of 50	$\frac{1}{4}$ of 30
$\frac{1}{4}$ of 188	$\frac{1}{4}$ of 168	$\frac{1}{4}$ of 164	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 4	$\frac{1}{4}$ of 120	$\frac{1}{4}$ of 224	$\frac{1}{4}$ of 260	$\frac{1}{4}$ of 8	$\frac{1}{4}$ of 220
$\frac{1}{4}$ of 128	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 124	$\frac{1}{4}$ of 280	$\frac{1}{4}$ of 240	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 80	$\frac{1}{4}$ of 400	$\frac{1}{4}$ of 56	$\frac{1}{4}$ of 120
$\frac{1}{4}$ of 280	$\frac{1}{4}$ of 80	$\frac{1}{4}$ of 12	$\frac{1}{4}$ of 60	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 48	$\frac{1}{4}$ of 32	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 80	$\frac{1}{4}$ of 20
$\frac{1}{4}$ of 220	$\frac{1}{4}$ of 884	$\frac{1}{4}$ of 120	$\frac{1}{4}$ of 160	$\frac{1}{4}$ of 32	$\frac{1}{4}$ of 4	$\frac{1}{4}$ of 144	$\frac{1}{4}$ of 124	$\frac{1}{4}$ of 16	$\frac{1}{4}$ of 124
$\frac{1}{4}$ of 84	$\frac{1}{4}$ of 36	$\frac{1}{4}$ of 148	$\frac{1}{4}$ of 368	$\frac{1}{4}$ of 20	$\frac{1}{4}$ of 436	$\frac{1}{4}$ of 142	$\frac{1}{4}$ of 44	$\frac{1}{4}$ of 64	$\frac{1}{4}$ of 24
$\frac{1}{4}$ of 84	$\frac{1}{4}$ of 140	$\frac{1}{4}$ of 200	$\frac{1}{4}$ of 260	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 8	$\frac{1}{4}$ of 80	$\frac{1}{4}$ of 360	$\frac{1}{4}$ of 120	$\frac{1}{4}$ of 168

Score _____



Star Challenge 2

I can find 10%, 25% and 50% of numbers



10% of 34	10% of 230	50% of 160	25% of 16	50% of 30	25% of 120	10% of 730	10% of 130	50% of 84	10% of 81
25% of 240	50% of 300	25% of 48	10% of 810	10% of 210	50% of 64	25% of 32	50% of 50	25% of 240	50% of 90
25% of 120	25% of 16	10% of 340	25% of 400	10% of 95	50% of 90	25% of 224	10% of 870	25% of 140	10% of 310
10% of 240	10% of 72	25% of 80	50% of 70	10% of 330	25% of 32	50% of 120	10% of 140	25% of 100	10% of 620
25% of 44	10% of 930	10% of 340	10% of 450	10% of 340	10% of 190	10% of 280	10% of 360	10% of 560	10% of 250
25% of 300	10% of 370	25% of 60	10% of 740	50% of 100	10% of 550	25% of 120	25% of 480	25% of 128	25% of 48
50% of 84	50% of 60	25% of 800	10% of 27	10% of 940	10% of 310	25% of 240	25% of 220	10% of 83	50% of 420
10% of 150	50% of 180	50% of 42	50% of 140	10% of 160	25% of 40	10% of 340	50% of 420	10% of 570	50% of 220
10% of 94	10% of 220	10% of 390	25% of 440	50% of 90	50% of 500	50% of 120	50% of 80	50% of 22	25% of 200
50% of 88	25% of 150	25% of 140	25% of 220	10% of 240	50% of 90	10% of 82	50% of 300	50% of 420	50% of 250

Score _____



Star Challenge 3

I can calculate complements to 1000.



123	543	672	451	982	629	410	628	567	362
290	372	528	894	725	183	428	361	742	821
462	481	428	675	832	902	572	218	317	375
273	374	528	184	294	803	412	523	842	475
572	438	756	452	241	204	596	723	436	572
139	352	734	623	743	845	102	273	481	383
572	427	508	298	997	583	412	253	132	231
436	498	231	378	453	867	745	352	310	598
831	438	947	118	533	673	423	892	512	672
903	845	472	522	366	436	239	671	183	253

Score _____



Star Challenge 4

I can calculate decimal complements to 10



3.5	8.2	5.4	1.7	2.9	2.8	4.1	8.3	6.3	2.1
4.5	4.8	3.8	1.6	2.3	1.9	3.8	4.3	7.3	2.4
7.5	8.2	5.4	1.7	2.5	2.8	4.1	8.7	6.7	2.1
8.5	2.8	3.8	7.6	3.3	7.5	3.8	6.3	7.3	3.8
2.1	3.7	4.5	9.3	7.3	1.9	2.5	3.8	4.9	5.2
4.2	5.1	6.3	8.2	5.4	8.1	9.5	6.4	1.2	2.7
5.2	6.7	8.3	1.1	2.4	3.7	3.6	2.7	4.9	5.7
8.9	7.4	5.2	6.1	2.3	5.9	1.4	2.3	3.8	1.9
3.5	1.7	2.8	2.1	3.8	4.7	1.8	3.6	1.9	3.7
2.7	4.7	4.4	7.1	8.6	3.8	3.0	1.5	3.9	2.2

Score _____



Star Challenge 5

I can multiply and divide by 10, 100 and 1000



$92 \div 100$	54×10	$40 \div 10$	92×10	82×10	$22 \div 100$	73×100	53×10	$94 \div 100$	82×10
50×10	18×10	35×100	$84 \div 100$	31×10	26×10	94×10	74×10	32×100	$28 \div 10$
88×100	71×10	84×10	15×10	80×10	$73 \div 10$	31×10	40×10	$94 \div 100$	21×10
34×10	85×100	33×10	72×10	77×10	89×100	19×100	55×10	38×10	56×10
$94 \div 100$	97×10	23×100	38×10	80×10	52×10	29×10	31×10	29×10	14×100
55×10	53×100	84×10	54×10	18×10	$31 \div 100$	32×10	82×10	12×10	54×10
94×100	12×10	$40 \div 10$	28×100	$40 \div 10$	$26 \div 10$	12×10	$31 \div 10$	31×100	$77 \div 10$
40×10	$82 \div 100$	$44 \div 100$	95×100	$18 \div 100$	$32 \div 10$	$84 \div 10$	$26 \div 10$	$92 \div 10$	$26 \div 10$
$14 \div 100$	53×10	$32 \div 10$	$92 \div 10$	$74 \div 10$	$31 \div 10$	$53 \div 100$	81×100	$54 \div 10$	$73 \div 100$
25×100	$28 \div 100$	32×10	99×10	$16 \div 100$	31×100	$37 \div 10$	$103 \div 10$	40×100	24×100

Score _____



Star Challenge 6

I can convert percentages to decimals



10%	15%	26%	1%	12%	5%	35%	70%	99%	80%
75%	71%	55%	30%	83%	20%	86%	85%	25%	71%
90%	14%	50%	20%	100%	89%	72%	20%	60%	23%
10%	5%	30%	75%	43%	70%	81%	28%	25%	80%
40%	37%	49%	58%	40%	9%	43%	67%	40%	75%
50%	23%	6%	80%	70%	41%	89%	56%	40%	81%
20%	72%	60%	76%	42%	32%	35%	10%	100%	93%
78%	87%	50%	70%	2%	30%	80%	55%	75%	21%
23%	40%	24%	91%	2%	26%	8%	34%	60%	73%
90%	7%	70%	90%	42%	64%	82%	71%	90%	20%

Score _____



Star Challenge 7

I can find complements to 1



0.37	0.35	0.63	0.11	0.04	0.74	0.91	0.47	0.72	0.55
0.59	0.1	0.76	0.77	0.21	0.91	0.06	0.64	0.43	0.17
0.07	0.46	0.29	0.58	0.38	0.53	0.34	0.4	0.12	0.71
0.23	0.74	0.42	0.02	0.79	0.27	0.7	0.67	0.61	0.5
0.14	0.33	0.18	0.86	0.75	0.89	0.8	0.03	0.3	0.54
0.69	0.52	0.88	0.28	0.51	0.16	0.57	0.9	0.36	0.24
0.05	0.83	0.22	0.72	0.09	0.92	0.25	0.49	0.85	0.62
0.87	0.39	0.78	0.13	0.65	0.31	0.19	0.94	0.81	0.68
0.66	0.15	0.48	0.45	0.93	0.84	0.44	0.98	0.08	0.97
0.26	0.73	0.01	0.6	0.32	0.20	0.82	0.56	0.99	0.41

Score _____



Star Challenge 8

I can multiply decimals by a single digit



0.3×5	1.2×2	3.4×3	2.1×4	0.6×9	0.5×7	1.3×3	2.5×2	3.1×4	0.9×8
0.2×9	1.5×3	0.7×3	0.7×6	0.2×8	0.2×6	0.6×7	0.5×9	0.4×5	0.7×9
1.2×5	0.2×7	0.5×4	0.1×3	1.3×5	1.0×9	0.2×4	0.4×6	3.1×3	0.7×4
0.1×4	0.9×4	0.2×9	0.2×5	1.4×2	1.3×5	0.7×8	0.4×7	2.3×2	0.5×3
0.2×2	0.9×5	1.7×2	0.8×9	2.4×2	0.5×9	2.2×4	1.6×2	0.2×3	0.9×6
0.4×3	1.6×4	0.8×8	0.3×6	1.1×7	0.7×5	2.1×3	1.2×3	0.3×8	2.6×3
0.8×4	0.4×8	1.4×3	0.3×7	0.3×4	0.3×2	0.3×9	3.3×2	0.9×4	0.3×9
0.3×7	0.6×6	1.4×5	0.6×2	0.3×3	1.7×3	0.5×8	0.9×3	2.7×2	1.3×2
1.0×5	1.3×4	0.4×4	0.8×5	3.0×3	0.6×3	0.5×6	0.8×6	0.6×4	0.9×4
0.4×9	0.6×8	0.4×9	0.6×4	0.7×7	2.0×4	2.6×4	3.1×4	1.0×8	0.8×3

Score _____



Star Challenge 9

I can convert decimals into fractions



0.5	0.57	0.1	0.4	0.125	0.25	0.5	0.34	0.6	0.9
0.2	0.75	0.16	0.4	0.08	0.5	0.9	0.08	0.75	0.46
0.4	0.333	0.7	0.75	0.04	0.78	0.68	0.3	0.06	0.1
0.3	0.25	0.23	0.1	0.9	0.75	0.8	0.6	0.25	0.08
0.25	0.666	0.04	0.3	0.6	0.3	0.89	0.333	0.05	0.2
0.01	0.5	0.22	0.6	0.25	0.6	0.9	0.11	0.03	0.45
0.7	0.89	0.4	0.67	0.28	0.1	0.5	0.75	0.6	0.25
0.09	0.45	0.6	0.13	0.4	0.05	0.333	0.125	0.12	0.8
0.25	0.75	0.64	0.8	0.75	0.09	0.5	0.06	0.68	0.11
0.07	0.5	0.2	0.5	0.45	0.8	0.78	0.56	0.8	0.25

Score _____



Star Challenge 10

I can add and subtract using negative numbers



$4 - 9$	$9 - 12$	$-3 + 10$	$-8 + 12$	$6 - 8$	$-9 + 3$	$-5 - 4$	$2 - 11$	$5 - 8$	$-4 - 10$
$9 - 16$	$-9 - 3$	$7 - 13$	$-8 + 4$	$-2 + 11$	$7 - 14$	$13 - 20$	$-7 + 8$	$10 - 17$	$-7 + 10$
$-8 - 12$	$-5 + 10$	$-7 - 15$	$9 - 15$	$9 - 14$	$7 - 19$	$-8 + 6$	$-1 - 5$	$-6 - 8$	$3 - 13$
$4 - 11$	$-3 + 12$	$3 - 7$	$16 - 20$	$-3 - 10$	$9 - 20$	$5 - 9$	$-7 + 12$	$-6 - 9$	$-3 - 18$
$-8 + 11$	$6 - 12$	$-6 + 12$	$3 - 7$	$4 - 8$	$-10 - 5$	$-6 + 12$	$-11 - 4$	$-4 + 12$	$-9 + 15$
$9 - 20$	$-8 - 5$	$-15 - 7$	$-9 - 12$	$-12 - 10$	$-7 + 9$	$-3 - 6$	$4 - 12$	$-1 + 5$	$2 - 8$
$-13 - 3$	$-9 - 1$	$-12 - 7$	$-2 + 6$	$-8 + 3$	$-12 + 7$	$-9 + 9$	$7 - 15$	$9 - 18$	$13 - 15$
$-6 - 3$	$2 - 9$	$-5 - 12$	$-6 - 18$	$-3 + 16$	$-3 + 2$	$-11 + 9$	$9 - 14$	$-18 + 6$	$-2 - 6$
$-12 + 12$	$9 - 19$	$-4 - 7$	$9 - 17$	$5 - 17$	$-3 + 17$	$-3 + 14$	$-4 + 10$	$-8 + 17$	$3 - 12$
$13 - 18$	$-7 + 3$	$8 - 12$	$-4 + 16$	$-8 + 2$	$-3 - 7$	$-9 + 17$	$9 - 20$	$-8 + 18$	$-2 + 15$

Score _____