

Mental Math 1

Express the numbers as decimals.

$$\frac{1}{2} = \underline{\hspace{2cm}}$$

$$\frac{1}{4} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} = \underline{\hspace{2cm}}$$

$$\frac{1}{5} = \underline{\hspace{2cm}}$$

$$\frac{2}{5} = \underline{\hspace{2cm}}$$

$$\frac{3}{5} = \underline{\hspace{2cm}}$$

$$\frac{1}{20} = \underline{\hspace{2cm}}$$

$$\frac{7}{20} = \underline{\hspace{2cm}}$$

$$\frac{1}{25} = \underline{\hspace{2cm}}$$

$$\frac{11}{25} = \underline{\hspace{2cm}}$$

$$\frac{1}{50} = \underline{\hspace{2cm}}$$

$$1\frac{9}{50} = \underline{\hspace{2cm}}$$

$$4\frac{21}{25} = \underline{\hspace{2cm}}$$

$$\frac{9}{5} = \underline{\hspace{2cm}}$$

$$\frac{11}{4} = \underline{\hspace{2cm}}$$

$$\frac{7}{5} = \underline{\hspace{2cm}}$$

Mental Math 2

Express the decimals as fractions or mixed numbers in simplest form.

$$0.7 = \underline{\hspace{2cm}}$$

$$0.8 = \underline{\hspace{2cm}}$$

$$0.75 = \underline{\hspace{2cm}}$$

$$0.15 = \underline{\hspace{2cm}}$$

$$0.12 = \underline{\hspace{2cm}}$$

$$8.23 = \underline{\hspace{2cm}}$$

$$1.6 = \underline{\hspace{2cm}}$$

$$4.14 = \underline{\hspace{2cm}}$$

$$9.06 = \underline{\hspace{2cm}}$$

$$6.15 = \underline{\hspace{2cm}}$$

$$19.25 = \underline{\hspace{2cm}}$$

$$40.04 = \underline{\hspace{2cm}}$$

$$4.45 = \underline{\hspace{2cm}}$$

$$1.64 = \underline{\hspace{2cm}}$$

$$0.96 = \underline{\hspace{2cm}}$$

$$10.95 = \underline{\hspace{2cm}}$$

Mental Math 3

$$1.2 \times 30 = \underline{\hspace{2cm}}$$

$$0.21 \times 4 = \underline{\hspace{2cm}}$$

$$0.16 \times 20 = \underline{\hspace{2cm}}$$

$$900 \times 1.2 = \underline{\hspace{2cm}}$$

$$0.15 \times 4,000 = \underline{\hspace{2cm}}$$

$$20 \times 0.047 = \underline{\hspace{2cm}}$$

$$300 \times 0.025 = \underline{\hspace{2cm}}$$

$$0.015 \times 50 = \underline{\hspace{2cm}}$$

$$0.39 \times 3,000 = \underline{\hspace{2cm}}$$

$$40 \times 0.025 = \underline{\hspace{2cm}}$$

$$1.3 \times 7,000 = \underline{\hspace{2cm}}$$

$$0.19 \times 4 = \underline{\hspace{2cm}}$$

$$0.036 \times 20 = \underline{\hspace{2cm}}$$

$$3.5 \times 300 = \underline{\hspace{2cm}}$$

$$0.09 \times 1,300 = \underline{\hspace{2cm}}$$

$$0.7 \times 15 = \underline{\hspace{2cm}}$$

$$0.003 \times 14 = \underline{\hspace{2cm}}$$

$$15 \times 0.08 = \underline{\hspace{2cm}}$$

Mental Math 4

$2.5 \times 50 = \underline{\hspace{2cm}}$

$900 \times 8.1 = \underline{\hspace{2cm}}$

$0.18 \times 90 = \underline{\hspace{2cm}}$

$6.4 \times 600 = \underline{\hspace{2cm}}$

$60 \times 0.046 = \underline{\hspace{2cm}}$

$8,000 \times 0.23 = \underline{\hspace{2cm}}$

$0.032 \times 80 = \underline{\hspace{2cm}}$

$0.55 \times 5,000 = \underline{\hspace{2cm}}$

$0.074 \times 70 = \underline{\hspace{2cm}}$

$0.047 \times 600 = \underline{\hspace{2cm}}$

$5.2 \times 4,000 = \underline{\hspace{2cm}}$

$800 \times 0.77 = \underline{\hspace{2cm}}$

$30 \times 0.099 = \underline{\hspace{2cm}}$

$6.07 \times 20 = \underline{\hspace{2cm}}$

$0.0018 \times 200 = \underline{\hspace{2cm}}$

$5,000 \times 0.0028 = \underline{\hspace{2cm}}$

$0.0085 \times 20 = \underline{\hspace{2cm}}$

$70 \times 0.0003 = \underline{\hspace{2cm}}$

Mental Math 5

$2.5 \div 50 = \underline{\hspace{2cm}}$

$4.8 \div 200 = \underline{\hspace{2cm}}$

$0.99 \div 30 = \underline{\hspace{2cm}}$

$3.6 \div 40 = \underline{\hspace{2cm}}$

$0.34 \div 20 = \underline{\hspace{2cm}}$

$7 \div 5 = \underline{\hspace{2cm}}$

$4.5 \div 3 = \underline{\hspace{2cm}}$

$90 \div 300 = \underline{\hspace{2cm}}$

$0.85 \div 50 = \underline{\hspace{2cm}}$

$8 \div 4,000 = \underline{\hspace{2cm}}$

$8.6 \div 200 = \underline{\hspace{2cm}}$

$7.8 \div 20 = \underline{\hspace{2cm}}$

$0.96 \div 60 = \underline{\hspace{2cm}}$

$5.7 \div 3 = \underline{\hspace{2cm}}$

$8.4 \div 70 = \underline{\hspace{2cm}}$

$0.6 \div 2,000 = \underline{\hspace{2cm}}$

$0.84 \div 200 = \underline{\hspace{2cm}}$

$0.81 \div 300 = \underline{\hspace{2cm}}$

Mental Math 6

$10 - 0.2 = \underline{\hspace{2cm}}$

$10 - 0.02 = \underline{\hspace{2cm}}$

$0.1 - 0.002 = \underline{\hspace{2cm}}$

$100 - 44 = \underline{\hspace{2cm}}$

$10 - 4.44 = \underline{\hspace{2cm}}$

$0.1 - 0.044 = \underline{\hspace{2cm}}$

$1,000 - 376 = \underline{\hspace{2cm}}$

$10 - 3.76 = \underline{\hspace{2cm}}$

$1 - 0.376 = \underline{\hspace{2cm}}$

$10 - 0.376 = \underline{\hspace{2cm}}$

$100 - 3.76 = \underline{\hspace{2cm}}$

$0.1 - 0.02 = \underline{\hspace{2cm}}$

$10 - 2.2 = \underline{\hspace{2cm}}$

$100 - 2.2 = \underline{\hspace{2cm}}$

$1,000 - 2.222 = \underline{\hspace{2cm}}$

$10 - 2.022 = \underline{\hspace{2cm}}$

$10 - 2.202 = \underline{\hspace{2cm}}$

$100 - 2.002 = \underline{\hspace{2cm}}$

Mental Math 7

$1 - 0.32 = \underline{\hspace{2cm}}$

$10 - 4.17 = \underline{\hspace{2cm}}$

$100 - 68.63 = \underline{\hspace{2cm}}$

$10 - 0.029 = \underline{\hspace{2cm}}$

$1 - 0.804 = \underline{\hspace{2cm}}$

$100 - 0.92 = \underline{\hspace{2cm}}$

$100 - 5.9 = \underline{\hspace{2cm}}$

$0.1 - 0.043 = \underline{\hspace{2cm}}$

$1,000 - 6.05 = \underline{\hspace{2cm}}$

$1 - 0.997 = \underline{\hspace{2cm}}$

$10 - 0.28 = \underline{\hspace{2cm}}$

$0.1 - 0.082 = \underline{\hspace{2cm}}$

$100 - 5.89 = \underline{\hspace{2cm}}$

$1,000 - 9.05 = \underline{\hspace{2cm}}$

$10,000 - 3.903 = \underline{\hspace{2cm}}$

$0.01 - 0.0001 = \underline{\hspace{2cm}}$

$0.01 - 0.0044 = \underline{\hspace{2cm}}$

$0.01 - 0.00345 = \underline{\hspace{2cm}}$

Mental Math 8

$10 - 3.6 = \underline{\hspace{2cm}}$

$80 - 3.6 = \underline{\hspace{2cm}}$

$480 - 3.6 = \underline{\hspace{2cm}}$

$4,800 - 3.6 = \underline{\hspace{2cm}}$

$7 - 5.48 = \underline{\hspace{2cm}}$

$64 - 0.77 = \underline{\hspace{2cm}}$

$200 - 13.9 = \underline{\hspace{2cm}}$

$80 - 4.09 = \underline{\hspace{2cm}}$

$3 - 0.52 = \underline{\hspace{2cm}}$

$0.6 - 0.182 = \underline{\hspace{2cm}}$

$90 - 6.03 = \underline{\hspace{2cm}}$

$31 - 0.974 = \underline{\hspace{2cm}}$

$5 - 0.299 = \underline{\hspace{2cm}}$

$60 - 4.517 = \underline{\hspace{2cm}}$

$80 - 38.26 = \underline{\hspace{2cm}}$

$700 - 5.09 = \underline{\hspace{2cm}}$

$0.9 - 0.651 = \underline{\hspace{2cm}}$

$0.03 - 0.0198 = \underline{\hspace{2cm}}$

Mental Math 9

$8 \times 0.3 = \underline{\hspace{2cm}}$

$0.6 \times 0.9 = \underline{\hspace{2cm}}$

$8 \times 0.05 = \underline{\hspace{2cm}}$

$0.9 \times 1.2 = \underline{\hspace{2cm}}$

$0.16 \times 4 = \underline{\hspace{2cm}}$

$0.2 \times 0.72 = \underline{\hspace{2cm}}$

$3 \times 3.5 = \underline{\hspace{2cm}}$

$0.39 \times 3 = \underline{\hspace{2cm}}$

$4 \times 4.5 = \underline{\hspace{2cm}}$

$0.18 \times 0.7 = \underline{\hspace{2cm}}$

$1.5 \times 0.4 = \underline{\hspace{2cm}}$

$0.35 \times 0.2 = \underline{\hspace{2cm}}$

$0.55 \times 3 = \underline{\hspace{2cm}}$

$0.25 \times 0.8 = \underline{\hspace{2cm}}$

$0.07 \times 2.60 = \underline{\hspace{2cm}}$

$0.03 \times 1.6 = \underline{\hspace{2cm}}$

$1.2 \times 0.005 = \underline{\hspace{2cm}}$

$0.09 \times 0.13 = \underline{\hspace{2cm}}$

Mental Math 10

$11.2 \div 4 = \underline{\quad}$

$0.11 \div 5 = \underline{\quad}$

$1.08 \div 2 = \underline{\quad}$

$11.4 \div 2 = \underline{\quad}$

$0.12 \div 6 = \underline{\quad}$

$12 \div 8 = \underline{\quad}$

$0.111 \div 3 = \underline{\quad}$

$10.5 \div 7 = \underline{\quad}$

$5.7 \div 3 = \underline{\quad}$

$1.2 \div 5 = \underline{\quad}$

$11.4 \div 3 = \underline{\quad}$

$1.08 \div 9 = \underline{\quad}$

$11.2 \div 7 = \underline{\quad}$

$1.02 \div 6 = \underline{\quad}$

$0.56 \div 4 = \underline{\quad}$

$0.71 \div 2 = \underline{\quad}$

$3.4 \div 8 = \underline{\quad}$

$56.1 \div 5 = \underline{\quad}$

Mental Math 11

$6 \div 0.3 = \underline{\quad}$

$35 \div 0.5 = \underline{\quad}$

$160 \div 0.04 = \underline{\quad}$

$32 \div 0.8 = \underline{\quad}$

$4 \div 0.05 = \underline{\quad}$

$5,600 \div 0.8 = \underline{\quad}$

$56 \div 0.4 = \underline{\quad}$

$78 \div 0.2 = \underline{\quad}$

$57 \div 0.03 = \underline{\quad}$

$45 \div 0.3 = \underline{\quad}$

$9 \div 0.002 = \underline{\quad}$

$92 \div 0.4 = \underline{\quad}$

$3 \div 0.5 = \underline{\quad}$

$7 \div 0.005 = \underline{\quad}$

$95 \div 0.2 = \underline{\quad}$

$120 \div 0.4 = \underline{\quad}$

$405 \div 0.5 = \underline{\quad}$

$2,412 \div 0.3 = \underline{\quad}$

Mental Math 12

$\frac{1}{4} = \underline{\quad}\%$

$\frac{1}{25} = \underline{\quad}\%$

$\frac{3}{4} = \underline{\quad}\%$

$\frac{23}{25} = \underline{\quad}\%$

$\frac{1}{5} = \underline{\quad}\%$

$\frac{1}{20} = \underline{\quad}\%$

$\frac{3}{5} = \underline{\quad}\%$

$\frac{3}{20} = \underline{\quad}\%$

$\frac{19}{20} = \underline{\quad}\%$

$\frac{1}{2} = \underline{\quad}\%$

$\frac{1}{50} = \underline{\quad}\%$

$\frac{37}{50} = \underline{\quad}\%$

$\frac{4}{16} = \underline{\quad}\%$

$\frac{15}{30} = \underline{\quad}\%$

$\frac{12}{40} = \underline{\quad}\%$

$\frac{42}{60} = \underline{\quad}\%$

$\frac{13}{65} = \underline{\quad}\%$

$\frac{1}{3} = \underline{\quad}\%$

Mental Math 13

$$\frac{86}{200} = \underline{\hspace{2cm}}\%$$

$$\frac{123}{300} = \underline{\hspace{2cm}}\%$$

$$\frac{248}{400} = \underline{\hspace{2cm}}\%$$

$$\frac{65}{500} = \underline{\hspace{2cm}}\%$$

$$\frac{72}{600} = \underline{\hspace{2cm}}\%$$

$$\frac{14}{700} = \underline{\hspace{2cm}}\%$$

$$\frac{184}{800} = \underline{\hspace{2cm}}\%$$

$$\frac{855}{900} = \underline{\hspace{2cm}}\%$$

$$\frac{75}{250} = \underline{\hspace{2cm}}\%$$

$$\frac{30}{750} = \underline{\hspace{2cm}}\%$$

$$\frac{444}{600} = \underline{\hspace{2cm}}\%$$

$$\frac{54}{300} = \underline{\hspace{2cm}}\%$$

$$\frac{90}{360} = \underline{\hspace{2cm}}\%$$

$$\frac{77}{220} = \underline{\hspace{2cm}}\%$$

$$\frac{45}{225} = \underline{\hspace{2cm}}\%$$

$$\frac{45}{125} = \underline{\hspace{2cm}}\%$$

$$\frac{300}{375} = \underline{\hspace{2cm}}\%$$

$$\frac{80}{240} = \underline{\hspace{2cm}}\%$$

Mental Math 14

$$10\% \text{ of } 700 = \underline{\hspace{2cm}}$$

$$1\% \text{ of } 700 = \underline{\hspace{2cm}}$$

$$12\% \text{ of } 700 = \underline{\hspace{2cm}}$$

$$61\% \text{ of } 700 = \underline{\hspace{2cm}}$$

$$15\% \text{ of } 600 = \underline{\hspace{2cm}}$$

$$99\% \text{ of } 600 = \underline{\hspace{2cm}}$$

$$40\% \text{ of } 80 = \underline{\hspace{2cm}}$$

$$35\% \text{ of } 300 = \underline{\hspace{2cm}}$$

$$25\% \text{ of } 360 = \underline{\hspace{2cm}}$$

$$25\% \text{ of } 420 = \underline{\hspace{2cm}}$$

$$82\% \text{ of } 800 = \underline{\hspace{2cm}}$$

$$95\% \text{ of } 60 = \underline{\hspace{2cm}}$$

$$8\% \text{ of } 1,000 = \underline{\hspace{2cm}}$$

$$73\% \text{ of } 1,000 = \underline{\hspace{2cm}}$$

$$10\% \text{ of } 35 = \underline{\hspace{2cm}}$$

$$2\% \text{ of } 75 = \underline{\hspace{2cm}}$$

$$21\% \text{ of } 2,100 = \underline{\hspace{2cm}}$$

$$98\% \text{ of } 25 = \underline{\hspace{2cm}}$$

MM 1	MM 2	MM 3	MM 4	MM 5	MM 6	MM 7	MM 8						
0.5	$\frac{7}{10}$	36	125	0.05	9.8	0.68	6.4						
0.25	$\frac{4}{5}$	0.84	7,290	0.024	9.98	5.83	76.4						
0.75	$\frac{3}{4}$	3.2	16.2	0.033	0.098	31.37	476.4						
0.2	$\frac{3}{4}$	1,080	3,840	0.09	56	9.971	4,796.4						
0.4	$\frac{3}{20}$	600	2.76	0.017	5.56	0.196	1.52						
0.8	$\frac{3}{25}$	0.94	1,840	1.4	0.056	99.08	63.23						
0.05	$\frac{3}{25}$	7.5	2.56	1.5	624	94.1	186.1						
0.35	$8\frac{23}{100}$	0.75	2,750	0.3	6.24	0.057	75.91						
0.04	$1\frac{3}{5}$	1,170	5.18	0.017	0.624	993.95	2.48						
0.44	$4\frac{7}{50}$	1	28.2	0.002	9.624	0.003	0.418						
0.02	$9\frac{3}{50}$	9,100	20,800	0.043	96.24	9.72	83.97						
1.18	$6\frac{3}{20}$	0.76	616	0.39	0.08	0.018	30.026						
4.84	$19\frac{1}{4}$	0.72	2.97	0.016	7.8	94.11	4.701						
1.8	$40\frac{1}{25}$	1,050	121.4	1.9	97.8	990.95	55.483						
2.75	$4\frac{9}{20}$	117	0.36	0.12	997.778	9,996.097	41.74						
1.4	$1\frac{16}{25}$	10.5	14	0.0003	7.978	0.0099	694.91						
	$\frac{24}{25}$	0.042	0.17	0.0042	7.798	0.0056	0.249						
	$10\frac{19}{20}$	1.2	0.021	0.0027	97.998	0.00655	0.0102						
		MM 9	MM 10	MM 11	MM 12	MM 13	MM 14						
		2.4	2.8	20	25	43	70						
		0.54	0.022	70	4	41	7						
		0.4	0.54	4,000	75	62	84						
		1.08	5.7	40	92	13	427						
		0.64	0.02	80	20	12	90						
		0.144	1.5	7,000	5	2	594						
		10.5	0.037	140	60	23	32						
		1.17	1.5	390	15	95	105						
		18	1.9	1,900	95	30	90						
		0.126	0.24	150	50	4	105						
		0.6	3.8	4,500	2	74	656						
		0.07	0.12	230	74	18	57						
		1.65	1.6	6	25	25	80						
		0.2	0.17	1,400	50	35	730						
		0.182	0.14	475	30	20	3.5						
		0.048	0.355	300	70	36	1.5						
		0.006	0.425	810	20	80	441						
		0.0117	11.22	8,040	$33\frac{1}{3}$	$33\frac{1}{3}$	24.5						