

A

Correct _____

Multiply, but don't simplify.

1	$\frac{1}{2} \times \frac{1}{2} =$		23	$\frac{2}{5} \times \frac{5}{3} =$	
2	$\frac{1}{2} \times \frac{1}{3} =$		24	$\frac{3}{5} \times \frac{5}{2} =$	
3	$\frac{1}{2} \times \frac{1}{4} =$		25	$\frac{1}{3} \times \frac{1}{3} =$	
4	$\frac{1}{2} \times \frac{1}{7} =$		26	$\frac{1}{3} \times \frac{2}{3} =$	
5	$\frac{1}{7} \times \frac{1}{2} =$		27	$\frac{2}{3} \times \frac{2}{3} =$	
6	$\frac{1}{3} \times \frac{1}{2} =$		28	$\frac{2}{3} \times \frac{3}{2} =$	
7	$\frac{1}{3} \times \frac{1}{3} =$		29	$\frac{2}{3} \times \frac{4}{3} =$	
8	$\frac{1}{3} \times \frac{1}{6} =$		30	$\frac{2}{3} \times \frac{5}{3} =$	
9	$\frac{1}{3} \times \frac{1}{5} =$		31	$\frac{3}{2} \times \frac{3}{5} =$	
10	$\frac{1}{5} \times \frac{1}{3} =$		32	$\frac{3}{4} \times \frac{1}{5} =$	
11	$\frac{1}{5} \times \frac{2}{3} =$		33	$\frac{3}{4} \times \frac{4}{5} =$	
12	$\frac{2}{5} \times \frac{2}{3} =$		34	$\frac{3}{4} \times \frac{5}{5} =$	
13	$\frac{1}{4} \times \frac{1}{3} =$		35	$\frac{3}{4} \times \frac{6}{5} =$	
14	$\frac{1}{4} \times \frac{2}{3} =$		36	$\frac{1}{4} \times \frac{6}{5} =$	
15	$\frac{3}{4} \times \frac{2}{3} =$		37	$\frac{1}{7} \times \frac{1}{7} =$	
16	$\frac{1}{6} \times \frac{1}{3} =$		38	$\frac{1}{8} \times \frac{3}{5} =$	
17	$\frac{5}{6} \times \frac{1}{3} =$		39	$\frac{5}{6} \times \frac{1}{4} =$	
18	$\frac{5}{6} \times \frac{2}{3} =$		40	$\frac{3}{4} \times \frac{3}{4} =$	
19	$\frac{5}{4} \times \frac{2}{3} =$		41	$\frac{2}{3} \times \frac{6}{6} =$	
20	$\frac{1}{5} \times \frac{1}{5} =$		42	$\frac{3}{4} \times \frac{6}{2} =$	
21	$\frac{2}{5} \times \frac{2}{5} =$		43	$\frac{7}{8} \times \frac{7}{9} =$	
22	$\frac{2}{5} \times \frac{3}{5} =$		44	$\frac{7}{12} \times \frac{9}{8} =$	

B

Improvement _____

Correct _____

Multiply, but don't simplify.

1	$\frac{1}{2} \times \frac{1}{3} =$		23	$\frac{3}{5} \times \frac{5}{4} =$	
2	$\frac{1}{2} \times \frac{1}{4} =$		24	$\frac{4}{5} \times \frac{5}{3} =$	
3	$\frac{1}{2} \times \frac{1}{5} =$		25	$\frac{1}{4} \times \frac{1}{4} =$	
4	$\frac{1}{2} \times \frac{1}{9} =$		26	$\frac{1}{4} \times \frac{3}{4} =$	
5	$\frac{1}{9} \times \frac{1}{2} =$		27	$\frac{3}{4} \times \frac{3}{4} =$	
6	$\frac{1}{5} \times \frac{1}{2} =$		28	$\frac{3}{4} \times \frac{4}{3} =$	
7	$\frac{1}{5} \times \frac{1}{3} =$		29	$\frac{3}{4} \times \frac{5}{4} =$	
8	$\frac{1}{5} \times \frac{1}{7} =$		30	$\frac{3}{4} \times \frac{6}{4} =$	
9	$\frac{1}{5} \times \frac{1}{3} =$		31	$\frac{4}{3} \times \frac{4}{6} =$	
10	$\frac{1}{3} \times \frac{1}{5} =$		32	$\frac{2}{3} \times \frac{1}{5} =$	
11	$\frac{1}{3} \times \frac{2}{5} =$		33	$\frac{2}{3} \times \frac{4}{5} =$	
12	$\frac{2}{3} \times \frac{2}{5} =$		34	$\frac{2}{3} \times \frac{5}{5} =$	
13	$\frac{1}{3} \times \frac{1}{4} =$		35	$\frac{2}{3} \times \frac{6}{5} =$	
14	$\frac{1}{3} \times \frac{3}{4} =$		36	$\frac{1}{3} \times \frac{6}{5} =$	
15	$\frac{2}{3} \times \frac{3}{4} =$		37	$\frac{1}{9} \times \frac{1}{9} =$	
16	$\frac{1}{3} \times \frac{1}{6} =$		38	$\frac{1}{5} \times \frac{3}{8} =$	
17	$\frac{2}{3} \times \frac{1}{6} =$		39	$\frac{3}{4} \times \frac{1}{6} =$	
18	$\frac{2}{3} \times \frac{5}{6} =$		40	$\frac{2}{3} \times \frac{2}{3} =$	
19	$\frac{3}{2} \times \frac{3}{4} =$		41	$\frac{3}{4} \times \frac{8}{8} =$	
20	$\frac{1}{5} \times \frac{1}{5} =$		42	$\frac{2}{3} \times \frac{6}{3} =$	
21	$\frac{3}{5} \times \frac{3}{5} =$		43	$\frac{6}{7} \times \frac{8}{9} =$	
22	$\frac{3}{5} \times \frac{4}{5} =$		44	$\frac{7}{12} \times \frac{8}{7} =$	

A

Correct _____

Multiply.

1	$3 \times 2 =$		23	$0.6 \times 2 =$	
2	$3 \times 0.2 =$		24	$0.6 \times 0.2 =$	
3	$3 \times 0.02 =$		25	$0.6 \times 0.02 =$	
4	$3 \times 3 =$		26	$0.2 \times 0.06 =$	
5	$3 \times 0.3 =$		27	$5 \times 7 =$	
6	$3 \times 0.03 =$		28	$0.5 \times 7 =$	
7	$2 \times 4 =$		29	$0.5 \times 0.7 =$	
8	$2 \times 0.4 =$		30	$0.5 \times 0.07 =$	
9	$2 \times 0.04 =$		31	$0.7 \times 0.05 =$	
10	$5 \times 3 =$		32	$2 \times 8 =$	
11	$5 \times 0.3 =$		33	$9 \times 0.2 =$	
12	$5 \times 0.03 =$		34	$3 \times 7 =$	
13	$7 \times 2 =$		35	$8 \times 0.03 =$	
14	$7 \times 0.2 =$		36	$4 \times 6 =$	
15	$7 \times 0.02 =$		37	$0.6 \times 7 =$	
16	$4 \times 3 =$		38	$0.7 \times 0.7 =$	
17	$4 \times 0.3 =$		39	$0.8 \times 0.06 =$	
18	$0.4 \times 3 =$		40	$0.09 \times 0.6 =$	
19	$0.4 \times 0.3 =$		41	$6 \times 0.8 =$	
20	$0.4 \times 0.03 =$		42	$0.7 \times 0.9 =$	
21	$0.3 \times 0.04 =$		43	$0.08 \times 0.8 =$	
22	$6 \times 2 =$		44	$0.9 \times 0.08 =$	

B

Improvement _____ # Correct _____

Multiply.

1	$4 \times 2 =$		23	$0.8 \times 2 =$	
2	$4 \times 0.2 =$		24	$0.8 \times 0.2 =$	
3	$4 \times 0.02 =$		25	$0.8 \times 0.02 =$	
4	$2 \times 3 =$		26	$0.2 \times 0.08 =$	
5	$2 \times 0.3 =$		27	$5 \times 9 =$	
6	$2 \times 0.03 =$		28	$0.5 \times 9 =$	
7	$3 \times 3 =$		29	$0.5 \times 0.9 =$	
8	$3 \times 0.3 =$		30	$0.5 \times 0.09 =$	
9	$3 \times 0.03 =$		31	$0.9 \times 0.05 =$	
10	$4 \times 3 =$		32	$2 \times 6 =$	
11	$4 \times 0.3 =$		33	$7 \times 0.2 =$	
12	$4 \times 0.03 =$		34	$3 \times 8 =$	
13	$9 \times 2 =$		35	$9 \times 0.03 =$	
14	$9 \times 0.2 =$		36	$4 \times 8 =$	
15	$9 \times 0.02 =$		37	$0.7 \times 6 =$	
16	$5 \times 3 =$		38	$0.6 \times 0.6 =$	
17	$5 \times 0.3 =$		39	$0.6 \times 0.08 =$	
18	$0.5 \times 3 =$		40	$0.06 \times 0.9 =$	
19	$0.5 \times 0.3 =$		41	$8 \times 0.6 =$	
20	$0.5 \times 0.03 =$		42	$0.9 \times 0.7 =$	
21	$0.3 \times 0.05 =$		43	$0.07 \times 0.7 =$	
22	$8 \times 2 =$		44	$0.8 \times 0.09 =$	

A

Correct _____

Divide.

1	$\frac{1}{2} \div 2 =$		23	$4 \div \frac{1}{4} =$	
2	$\frac{1}{2} \div 3 =$		24	$\frac{1}{3} \div 3 =$	
3	$\frac{1}{2} \div 4 =$		25	$\frac{2}{3} \div 3 =$	
4	$\frac{1}{2} \div 7 =$		26	$\frac{1}{4} \div 2 =$	
5	$7 \div \frac{1}{2} =$		27	$\frac{3}{4} \div 2 =$	
6	$6 \div \frac{1}{2} =$		28	$\frac{1}{5} \div 2 =$	
7	$5 \div \frac{1}{2} =$		29	$\frac{3}{5} \div 2 =$	
8	$3 \div \frac{1}{2} =$		30	$\frac{1}{6} \div 2 =$	
9	$2 \div \frac{1}{5} =$		31	$\frac{5}{6} \div 2 =$	
10	$3 \div \frac{1}{5} =$		32	$\frac{5}{6} \div 3 =$	
11	$4 \div \frac{1}{5} =$		33	$\frac{1}{6} \div 3 =$	
12	$7 \div \frac{1}{5} =$		34	$3 \div \frac{1}{6} =$	
13	$\frac{1}{5} \div 7 =$		35	$6 \div \frac{1}{6} =$	
14	$\frac{1}{3} \div 2 =$		36	$7 \div \frac{1}{7} =$	
15	$2 \div \frac{1}{3} =$		37	$8 \div \frac{1}{8} =$	
16	$\frac{1}{4} \div 2 =$		38	$9 \div \frac{1}{9} =$	
17	$2 \div \frac{1}{4} =$		39	$\frac{1}{8} \div 7 =$	
18	$\frac{1}{5} \div 2 =$		40	$9 \div \frac{1}{8} =$	
19	$2 \div \frac{1}{5} =$		41	$\frac{1}{8} \div 7 =$	
20	$3 \div \frac{1}{4} =$		42	$7 \div \frac{1}{6} =$	
21	$\frac{1}{4} \div 3 =$		43	$9 \div \frac{1}{7} =$	
22	$\frac{1}{4} \div 4 =$		44	$\frac{1}{8} \div 9 =$	

B

Improvement _____ # Correct _____

Divide.

1	$\frac{1}{2} \div 2 =$		23	$3 \div \frac{1}{3} =$	
2	$\frac{1}{5} \div 3 =$		24	$\frac{1}{4} \div 4 =$	
3	$\frac{1}{5} \div 4 =$		25	$\frac{3}{4} \div 4 =$	
4	$\frac{1}{5} \div 7 =$		26	$\frac{1}{3} \div 3 =$	
5	$7 \div \frac{1}{5} =$		27	$\frac{2}{3} \div 3 =$	
6	$6 \div \frac{1}{5} =$		28	$\frac{1}{6} \div 2 =$	
7	$5 \div \frac{1}{5} =$		29	$\frac{5}{6} \div 2 =$	
8	$3 \div \frac{1}{5} =$		30	$\frac{1}{5} \div 5 =$	
9	$2 \div \frac{1}{2} =$		31	$\frac{3}{5} \div 5 =$	
10	$3 \div \frac{1}{2} =$		32	$\frac{3}{5} \div 4 =$	
11	$4 \div \frac{1}{2} =$		33	$\frac{1}{5} \div 6 =$	
12	$7 \div \frac{1}{2} =$		34	$6 \div \frac{1}{5} =$	
13	$\frac{1}{2} \div 7 =$		35	$6 \div \frac{1}{4} =$	
14	$\frac{1}{4} \div 2 =$		36	$7 \div \frac{1}{6} =$	
15	$2 \div \frac{1}{4} =$		37	$8 \div \frac{1}{7} =$	
16	$\frac{1}{3} \div 2 =$		38	$9 \div \frac{1}{8} =$	
17	$2 \div \frac{1}{3} =$		39	$\frac{1}{8} \div 8 =$	
18	$\frac{1}{2} \div 2 =$		40	$9 \div \frac{1}{9} =$	
19	$2 \div \frac{1}{2} =$		41	$\frac{1}{9} \div 8 =$	
20	$4 \div \frac{1}{3} =$		42	$7 \div \frac{1}{7} =$	
21	$\frac{1}{3} \div 4 =$		43	$9 \div \frac{1}{6} =$	
22	$\frac{1}{3} \div 3 =$		44	$\frac{1}{8} \div 6 =$	

A

Correct _____

Multiply.

1	$2 \times 10 =$		23	$33 \times 20 =$	
2	$12 \times 10 =$		24	$33 \times 200 =$	
3	$12 \times 100 =$		25	$24 \times 10 =$	
4	$4 \times 10 =$		26	$24 \times 20 =$	
5	$34 \times 10 =$		27	$24 \times 100 =$	
6	$34 \times 100 =$		28	$24 \times 200 =$	
7	$7 \times 10 =$		29	$23 \times 30 =$	
8	$27 \times 10 =$		30	$23 \times 300 =$	
9	$27 \times 100 =$		31	$71 \times 2 =$	
10	$3 \times 10 =$		32	$71 \times 20 =$	
11	$3 \times 2 =$		33	$14 \times 2 =$	
12	$3 \times 20 =$		34	$14 \times 3 =$	
13	$13 \times 10 =$		35	$14 \times 30 =$	
14	$13 \times 2 =$		36	$14 \times 300 =$	
15	$13 \times 20 =$		37	$82 \times 20 =$	
16	$13 \times 100 =$		38	$15 \times 300 =$	
17	$13 \times 200 =$		39	$71 \times 600 =$	
18	$2 \times 4 =$		40	$18 \times 40 =$	
19	$22 \times 4 =$		41	$75 \times 30 =$	
20	$22 \times 40 =$		42	$84 \times 300 =$	
21	$22 \times 400 =$		43	$87 \times 60 =$	
22	$33 \times 2 =$		44	$79 \times 800 =$	

B Improvement _____ # Correct _____

Multiply.

1	$3 \times 10 =$		23	$44 \times 20 =$	
2	$13 \times 10 =$		24	$44 \times 200 =$	
3	$13 \times 100 =$		25	$42 \times 10 =$	
4	$5 \times 10 =$		26	$42 \times 20 =$	
5	$35 \times 10 =$		27	$42 \times 100 =$	
6	$35 \times 100 =$		28	$42 \times 200 =$	
7	$8 \times 10 =$		29	$32 \times 30 =$	
8	$28 \times 10 =$		30	$32 \times 300 =$	
9	$28 \times 100 =$		31	$81 \times 2 =$	
10	$4 \times 10 =$		32	$81 \times 20 =$	
11	$4 \times 2 =$		33	$13 \times 3 =$	
12	$4 \times 20 =$		34	$13 \times 4 =$	
13	$14 \times 10 =$		35	$13 \times 40 =$	
14	$14 \times 2 =$		36	$13 \times 400 =$	
15	$14 \times 20 =$		37	$72 \times 30 =$	
16	$14 \times 100 =$		38	$15 \times 300 =$	
17	$14 \times 200 =$		39	$81 \times 600 =$	
18	$2 \times 3 =$		40	$16 \times 40 =$	
19	$22 \times 3 =$		41	$65 \times 30 =$	
20	$22 \times 30 =$		42	$48 \times 300 =$	
21	$22 \times 300 =$		43	$89 \times 60 =$	
22	$44 \times 2 =$		44	$76 \times 800 =$	

A

Correct _____

Divide.

1	$30 \div 10 =$	23	$480 \div 4 =$
2	$430 \div 10 =$	24	$480 \div 40 =$
3	$4,300 \div 10 =$	25	$6,300 \div 3 =$
4	$4,300 \div 100 =$	26	$6,300 \div 30 =$
5	$43,000 \div 100 =$	27	$6,300 \div 300 =$
6	$50 \div 10 =$	28	$8,400 \div 2 =$
7	$850 \div 10 =$	29	$8,400 \div 20 =$
8	$8,500 \div 10 =$	30	$8,400 \div 200 =$
9	$8,500 \div 100 =$	31	$96,000 \div 3 =$
10	$85,000 \div 100 =$	32	$96,000 \div 300 =$
11	$600 \div 10 =$	33	$96,000 \div 30 =$
12	$60 \div 3 =$	34	$900 \div 30 =$
13	$600 \div 30 =$	35	$1,200 \div 30 =$
14	$4,000 \div 100 =$	36	$1,290 \div 30 =$
15	$40 \div 2 =$	37	$1,800 \div 300 =$
16	$4,000 \div 200 =$	38	$8,000 \div 200 =$
17	$240 \div 10 =$	39	$12,000 \div 200 =$
18	$24 \div 2 =$	40	$12,800 \div 200 =$
19	$240 \div 20 =$	41	$2,240 \div 70 =$
20	$3,600 \div 100 =$	42	$18,400 \div 800 =$
21	$36 \div 3 =$	43	$21,600 \div 90 =$
22	$3,600 \div 300 =$	44	$25,200 \div 600 =$

B Improvement _____ # Correct _____

Divide.

1	$20 \div 10 =$	23	$840 \div 4 =$
2	$420 \div 10 =$	24	$840 \div 40 =$
3	$4,200 \div 10 =$	25	$3,600 \div 3 =$
4	$4,200 \div 100 =$	26	$3,600 \div 30 =$
5	$42,000 \div 100 =$	27	$3,600 \div 300 =$
6	$40 \div 10 =$	28	$4,800 \div 2 =$
7	$840 \div 10 =$	29	$4,800 \div 20 =$
8	$8,400 \div 10 =$	30	$4,800 \div 200 =$
9	$8,400 \div 100 =$	31	$69,000 \div 3 =$
10	$84,000 \div 100 =$	32	$69,000 \div 300 =$
11	$900 \div 10 =$	33	$69,000 \div 30 =$
12	$90 \div 3 =$	34	$800 \div 40 =$
13	$900 \div 30 =$	35	$1,200 \div 40 =$
14	$6,000 \div 100 =$	36	$1,280 \div 40 =$
15	$60 \div 2 =$	37	$1,600 \div 400 =$
16	$6,000 \div 200 =$	38	$8,000 \div 200 =$
17	$240 \div 10 =$	39	$14,000 \div 200 =$
18	$24 \div 2 =$	40	$14,600 \div 200 =$
19	$240 \div 20 =$	41	$2,560 \div 80 =$
20	$6,300 \div 100 =$	42	$16,100 \div 700 =$
21	$63 \div 3 =$	43	$14,400 \div 60 =$
22	$6,300 \div 300 =$	44	$37,800 \div 900 =$