

8-Digit by 8-Digit Multiplication (A)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 74,745,896 \\ \times 56,943,719 \\ \hline \end{array}$$

$$\begin{array}{r} 69,686,842 \\ \times 50,327,810 \\ \hline \end{array}$$

$$\begin{array}{r} 32,538,537 \\ \times 31,753,966 \\ \hline \end{array}$$

$$\begin{array}{r} 56,522,466 \\ \times 97,119,161 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (A) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 74,745,896 \\ \times 56,943,719 \\ \hline 672,713,064 \\ 747,458,960 \\ 52,322,127,200 \\ 224,237,688,000 \\ 2,989,835,840,000 \\ 67,271,306,400,000 \\ 448,475,376,000,000 \\ 3,737,294,800,000,000 \\ \hline 4,256,309,298,227,224 \end{array}$$

$$\begin{array}{r} 69,686,842 \\ \times 50,327,810 \\ \hline 696,868,420 \\ 55,749,473,600 \\ 487,807,894,000 \\ 1,393,736,840,000 \\ 20,906,052,600,000 \\ 3,484,342,100,000,000 \\ \hline 3,507,186,143,676,020 \end{array}$$

$$\begin{array}{r} 32,538,537 \\ \times 31,753,966 \\ \hline 195,231,222 \\ 1,952,312,220 \\ 29,284,683,300 \\ 97,615,611,000 \\ 1,626,926,850,000 \\ 22,776,975,900,000 \\ 32,538,537,000,000 \\ 976,156,110,000,000 \\ \hline 1,033,227,597,587,742 \end{array}$$

$$\begin{array}{r} 56,522,466 \\ \times 97,119,161 \\ \hline 56,522,466 \\ 3,391,347,960 \\ 5,652,246,600 \\ 508,702,194,000 \\ 565,224,660,000 \\ 5,652,246,600,000 \\ 395,657,262,000,000 \\ 5,087,021,940,000,000 \\ \hline 5,489,414,475,571,026 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (B)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 94,320,411 \\ \times 71,197,773 \\ \hline \end{array}$$

$$\begin{array}{r} 25,902,628 \\ \times 82,380,531 \\ \hline \end{array}$$

$$\begin{array}{r} 94,425,319 \\ \times 61,756,410 \\ \hline \end{array}$$

$$\begin{array}{r} 84,924,452 \\ \times 86,725,186 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (B) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 94,320,411 \\ \times 71,197,773 \\ \hline 282,961,233 \\ 6,602,428,770 \\ 66,024,287,700 \\ 660,242,877,000 \\ 8,488,836,990,000 \\ 9,432,041,100,000 \\ 94,320,411,000,000 \\ 6,602,428,770,000,000 \\ \hline 6,715,403,211,644,703 \end{array}$$

$$\begin{array}{r} 25,902,628 \\ \times 82,380,531 \\ \hline 25,902,628 \\ 777,078,840 \\ 12,951,314,000 \\ 2,072,210,240,000 \\ 7,770,788,400,000 \\ 51,805,256,000,000 \\ 2,072,210,240,000,000 \\ \hline 2,133,872,248,935,468 \end{array}$$

$$\begin{array}{r} 94,425,319 \\ \times 61,756,410 \\ \hline 944,253,190 \\ 37,770,127,600 \\ 566,551,914,000 \\ 4,721,265,950,000 \\ 66,097,723,300,000 \\ 94,425,319,000,000 \\ 5,665,519,140,000,000 \\ \hline 5,831,368,714,544,790 \end{array}$$

$$\begin{array}{r} 84,924,452 \\ \times 86,725,186 \\ \hline 509,546,712 \\ 6,793,956,160 \\ 8,492,445,200 \\ 424,622,260,000 \\ 1,698,489,040,000 \\ 59,447,116,400,000 \\ 509,546,712,000,000 \\ 6,793,956,160,000,000 \\ \hline 7,365,088,895,648,072 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (C)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 24,347,435 \\ \times 62,978,657 \\ \hline \end{array}$$

$$\begin{array}{r} 11,090,291 \\ \times 63,871,037 \\ \hline \end{array}$$

$$\begin{array}{r} 50,004,256 \\ \times 75,008,208 \\ \hline \end{array}$$

$$\begin{array}{r} 53,326,948 \\ \times 54,692,327 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (C) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 24,347,435 \\ \times 62,978,657 \\ \hline 170,432,045 \\ 1,217,371,750 \\ 14,608,461,000 \\ 194,779,480,000 \\ 1,704,320,450,000 \\ 21,912,691,500,000 \\ 48,694,870,000,000 \\ 1,460,846,100,000,000 \\ \hline 1,533,368,757,694,795 \end{array}$$

$$\begin{array}{r} 11,090,291 \\ \times 63,871,037 \\ \hline 77,632,037 \\ 332,708,730 \\ 11,090,291,000 \\ 776,320,370,000 \\ 8,872,232,800,000 \\ 33,270,873,000,000 \\ 665,417,460,000,000 \\ \hline 708,348,386,801,767 \end{array}$$

$$\begin{array}{r} 50,004,256 \\ \times 75,008,208 \\ \hline 400,034,048 \\ 10,000,851,200 \\ 400,034,048,000 \\ 250,021,280,000,000 \\ 3,500,297,920,000,000 \\ \hline 3,750,729,634,933,248 \end{array}$$

$$\begin{array}{r} 53,326,948 \\ \times 54,692,327 \\ \hline 373,288,636 \\ 1,066,538,960 \\ 15,998,084,400 \\ 106,653,896,000 \\ 4,799,425,320,000 \\ 31,996,168,800,000 \\ 213,307,792,000,000 \\ 2,666,347,400,000,000 \\ \hline 2,916,574,877,927,996 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (D)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 93,048,758 \\ \times 41,146,364 \\ \hline \end{array}$$

$$\begin{array}{r} 72,088,292 \\ \times 83,374,391 \\ \hline \end{array}$$

$$\begin{array}{r} 58,363,496 \\ \times 20,739,323 \\ \hline \end{array}$$

$$\begin{array}{r} 64,066,044 \\ \times 96,941,759 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (D) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 93,048,758 \\ \times 41,146,364 \\ \hline 372,195,032 \\ 5,582,925,480 \\ 27,914,627,400 \\ 558,292,548,000 \\ 3,721,950,320,000 \\ 9,304,875,800,000 \\ 93,048,758,000,000 \\ 3,721,950,320,000,000 \\ \hline 3,828,618,066,415,912 \end{array}$$

$$\begin{array}{r} 72,088,292 \\ \times 83,374,391 \\ \hline 72,088,292 \\ 6,487,946,280 \\ 21,626,487,600 \\ 288,353,168,000 \\ 5,046,180,440,000 \\ 21,626,487,600,000 \\ 216,264,876,000,000 \\ 5,767,063,360,000,000 \\ \hline 6,010,317,443,730,172 \end{array}$$

$$\begin{array}{r} 58,363,496 \\ \times 20,739,323 \\ \hline 175,090,488 \\ 1,167,269,920 \\ 17,509,048,800 \\ 525,271,464,000 \\ 1,750,904,880,000 \\ 40,854,447,200,000 \\ 1,167,269,920,000,000 \\ \hline 1,210,419,394,953,208 \end{array}$$

$$\begin{array}{r} 64,066,044 \\ \times 96,941,759 \\ \hline 576,594,396 \\ 3,203,302,200 \\ 44,846,230,800 \\ 64,066,044,000 \\ 2,562,641,760,000 \\ 57,659,439,600,000 \\ 384,396,264,000,000 \\ 5,765,943,960,000,000 \\ \hline 6,210,674,997,531,396 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (E)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 70,451,245 \\ \times 41,667,313 \\ \hline \end{array}$$

$$\begin{array}{r} 75,428,287 \\ \times 32,949,014 \\ \hline \end{array}$$

$$\begin{array}{r} 78,830,535 \\ \times 52,389,454 \\ \hline \end{array}$$

$$\begin{array}{r} 76,186,445 \\ \times 30,054,437 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (E) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 70,451,245 \\ \times 41,667,313 \\ \hline 211,353,735 \\ 704,512,450 \\ 21,135,373,500 \\ 493,158,715,000 \\ 4,227,074,700,000 \\ 42,270,747,000,000 \\ 70,451,245,000,000 \\ 2,818,049,800,000,000 \\ \hline 2,935,514,076,654,685 \end{array}$$

$$\begin{array}{r} 75,428,287 \\ \times 32,949,014 \\ \hline 301,713,148 \\ 754,282,870 \\ 678,854,583,000 \\ 3,017,131,480,000 \\ 67,885,458,300,000 \\ 150,856,574,000,000 \\ 2,262,848,610,000,000 \\ \hline 2,485,287,684,359,018 \end{array}$$

$$\begin{array}{r} 78,830,535 \\ \times 52,389,454 \\ \hline 315,322,140 \\ 3,941,526,750 \\ 31,532,214,000 \\ 709,474,815,000 \\ 6,306,442,800,000 \\ 23,649,160,500,000 \\ 157,661,070,000,000 \\ 3,941,526,750,000,000 \\ \hline 4,129,888,687,177,890 \end{array}$$

$$\begin{array}{r} 76,186,445 \\ \times 30,054,437 \\ \hline 533,305,115 \\ 2,285,593,350 \\ 30,474,578,000 \\ 304,745,780,000 \\ 3,809,322,250,000 \\ 2,285,593,350,000,000 \\ \hline 2,289,740,711,506,465 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (F)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 67,148,480 \\ \times 34,132,718 \\ \hline \end{array}$$

$$\begin{array}{r} 46,667,131 \\ \times 92,561,734 \\ \hline \end{array}$$

$$\begin{array}{r} 43,613,995 \\ \times 46,563,566 \\ \hline \end{array}$$

$$\begin{array}{r} 20,125,522 \\ \times 70,247,142 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (F) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 67,148,480 \\ \times 34,132,718 \\ \hline 537,187,840 \\ 671,484,800 \\ 47,003,936,000 \\ 134,296,960,000 \\ 2,014,454,400,000 \\ 6,714,848,000,000 \\ 268,593,920,000,000 \\ 2,014,454,400,000,000 \\ \hline 2,291,960,131,968,640 \end{array}$$

$$\begin{array}{r} 46,667,131 \\ \times 92,561,734 \\ \hline 186,668,524 \\ 1,400,013,930 \\ 32,666,991,700 \\ 46,667,131,000 \\ 2,800,027,860,000 \\ 23,333,565,500,000 \\ 93,334,262,000,000 \\ 4,200,041,790,000,000 \\ \hline 4,319,590,566,165,154 \end{array}$$

$$\begin{array}{r} 43,613,995 \\ \times 46,563,566 \\ \hline 261,683,970 \\ 2,616,839,700 \\ 21,806,997,500 \\ 130,841,985,000 \\ 2,616,839,700,000 \\ 21,806,997,500,000 \\ 261,683,970,000,000 \\ 1,744,559,800,000,000 \\ \hline 2,030,823,134,706,170 \end{array}$$

$$\begin{array}{r} 20,125,522 \\ \times 70,247,142 \\ \hline 40,251,044 \\ 805,020,880 \\ 2,012,552,200 \\ 140,878,654,000 \\ 805,020,880,000 \\ 4,025,104,400,000 \\ 1,408,786,540,000,000 \\ \hline 1,413,760,401,758,124 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (G)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 14,977,416 \\ \times 22,812,595 \\ \hline \end{array}$$

$$\begin{array}{r} 92,994,875 \\ \times 48,549,180 \\ \hline \end{array}$$

$$\begin{array}{r} 28,190,669 \\ \times 54,373,016 \\ \hline \end{array}$$

$$\begin{array}{r} 16,531,824 \\ \times 94,177,656 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (G) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 14,977,416 \\ \times 22,812,595 \\ \hline 74,887,080 \\ 1,347,967,440 \\ 7,488,708,000 \\ 29,954,832,000 \\ 149,774,160,000 \\ 11,981,932,800,000 \\ 29,954,832,000,000 \\ 299,548,320,000,000 \\ \hline 341,673,725,354,520 \end{array}$$

$$\begin{array}{r} 92,994,875 \\ \times 48,549,180 \\ \hline 7,439,590,000 \\ 9,299,487,500 \\ 836,953,875,000 \\ 3,719,795,000,000 \\ 46,497,437,500,000 \\ 743,959,000,000,000 \\ 3,719,795,000,000,000 \\ \hline 4,514,824,925,452,500 \end{array}$$

$$\begin{array}{r} 28,190,669 \\ \times 54,373,016 \\ \hline 169,144,014 \\ 281,906,690 \\ 84,572,007,000 \\ 1,973,346,830,000 \\ 8,457,200,700,000 \\ 112,762,676,000,000 \\ 1,409,533,450,000,000 \\ \hline 1,532,811,696,587,704 \end{array}$$

$$\begin{array}{r} 16,531,824 \\ \times 94,177,656 \\ \hline 99,190,944 \\ 826,591,200 \\ 9,919,094,400 \\ 115,722,768,000 \\ 1,157,227,680,000 \\ 1,653,182,400,000 \\ 66,127,296,000,000 \\ 1,487,864,160,000,000 \\ \hline 1,556,928,433,724,544 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (H)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 22,788,636 \\ \times 31,950,584 \\ \hline \end{array}$$

$$\begin{array}{r} 16,670,547 \\ \times 99,726,817 \\ \hline \end{array}$$

$$\begin{array}{r} 50,448,023 \\ \times 34,405,120 \\ \hline \end{array}$$

$$\begin{array}{r} 79,174,460 \\ \times 17,303,965 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (H) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 22,788,636 \\ \times 31,950,584 \\ \hline 91,154,544 \\ 1,823,090,880 \\ 11,394,318,000 \\ 1,139,431,800,000 \\ 20,509,772,400,000 \\ 22,788,636,000,000 \\ \hline 683,659,080,000,000 \\ \hline 728,110,228,763,424 \end{array}$$

$$\begin{array}{r} 16,670,547 \\ \times 99,726,817 \\ \hline 116,693,829 \\ 166,705,470 \\ 13,336,437,600 \\ 100,023,282,000 \\ 333,410,940,000 \\ 11,669,382,900,000 \\ 150,034,923,000,000 \\ \hline 1,500,349,230,000,000 \\ \hline 1,662,500,589,958,899 \end{array}$$

$$\begin{array}{r} 50,448,023 \\ \times 34,405,120 \\ \hline 1,008,960,460 \\ 5,044,802,300 \\ 252,240,115,000 \\ 20,179,209,200,000 \\ 201,792,092,000,000 \\ \hline 1,513,440,690,000,000 \\ \hline 1,735,670,285,077,760 \end{array}$$

$$\begin{array}{r} 79,174,460 \\ \times 17,303,965 \\ \hline 395,872,300 \\ 4,750,467,600 \\ 71,257,014,000 \\ 237,523,380,000 \\ 23,752,338,000,000 \\ 554,221,220,000,000 \\ \hline 791,744,600,000,000 \\ \hline 1,370,032,084,733,900 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (I)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 43,184,653 \\ \times 70,725,286 \\ \hline \end{array}$$

$$\begin{array}{r} 20,534,070 \\ \times 86,362,640 \\ \hline \end{array}$$

$$\begin{array}{r} 23,820,834 \\ \times 13,789,472 \\ \hline \end{array}$$

$$\begin{array}{r} 61,790,253 \\ \times 88,141,740 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (I) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 43,184,653 \\ \times 70,725,286 \\ \hline 259,107,918 \\ 3,454,772,240 \\ 8,636,930,600 \\ 215,923,265,000 \\ 863,693,060,000 \\ 30,229,257,100,000 \\ 3,022,925,710,000,000 \\ \hline 3,054,246,934,235,758 \end{array}$$

$$\begin{array}{r} 20,534,070 \\ \times 86,362,640 \\ \hline 821,362,800 \\ 12,320,442,000 \\ 41,068,140,000 \\ 1,232,044,200,000 \\ 6,160,221,000,000 \\ 123,204,420,000,000 \\ 1,642,725,600,000,000 \\ \hline 1,773,376,495,144,800 \end{array}$$

$$\begin{array}{r} 23,820,834 \\ \times 13,789,472 \\ \hline 47,641,668 \\ 1,667,458,380 \\ 9,528,333,600 \\ 214,387,506,000 \\ 1,905,666,720,000 \\ 16,674,583,800,000 \\ 71,462,502,000,000 \\ 238,208,340,000,000 \\ \hline 328,476,723,459,648 \end{array}$$

$$\begin{array}{r} 61,790,253 \\ \times 88,141,740 \\ \hline 2,471,610,120 \\ 43,253,177,100 \\ 61,790,253,000 \\ 2,471,610,120,000 \\ 6,179,025,300,000 \\ 494,322,024,000,000 \\ 4,943,220,240,000,000 \\ \hline 5,446,300,414,460,220 \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (J)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 90,369,700 \\ \times 91,689,443 \\ \hline \end{array}$$

$$\begin{array}{r} 47,058,928 \\ \times 49,974,775 \\ \hline \end{array}$$

$$\begin{array}{r} 55,995,199 \\ \times 38,101,565 \\ \hline \end{array}$$

$$\begin{array}{r} 15,821,941 \\ \times 81,993,194 \\ \hline \end{array}$$

Score: /4

8-Digit by 8-Digit Multiplication (J) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 90,369,700 \\ \times 91,689,443 \\ \hline 271,109,100 \\ 3,614,788,000 \\ 36,147,880,000 \\ 813,327,300,000 \\ 7,229,576,000,000 \\ 54,221,820,000,000 \\ 90,369,700,000,000 \\ 8,133,273,000,000,000 \\ \hline 8,285,947,457,077,100 \end{array}$$

$$\begin{array}{r} 47,058,928 \\ \times 49,974,775 \\ \hline 235,294,640 \\ 3,294,124,960 \\ 32,941,249,600 \\ 188,235,712,000 \\ 3,294,124,960,000 \\ 42,353,035,200,000 \\ 423,530,352,000,000 \\ 1,882,357,120,000,000 \\ \hline 2,351,759,338,541,200 \end{array}$$

$$\begin{array}{r} 55,995,199 \\ \times 38,101,565 \\ \hline 279,975,995 \\ 3,359,711,940 \\ 27,997,599,500 \\ 55,995,199,000 \\ 5,599,519,900,000 \\ 447,961,592,000,000 \\ 1,679,855,970,000,000 \\ \hline 2,133,504,714,386,435 \end{array}$$

$$\begin{array}{r} 15,821,941 \\ \times 81,993,194 \\ \hline 63,287,764 \\ 1,423,974,690 \\ 1,582,194,100 \\ 47,465,823,000 \\ 1,423,974,690,000 \\ 14,239,746,900,000 \\ 15,821,941,000,000 \\ 1,265,755,280,000,000 \\ \hline 1,297,291,477,869,554 \end{array}$$

Score: /4