



The Egyptians and Multiplication

NAME:

CLASS:

DATE:



Basic

1) Complete the following calculations:

a) $47 + 79$

b) $81 - 38$

c) $6500 + 5700$

d) $470 - 180$

e) 247×6

f) $792 \div 8$

g) 375×30

h) $58,500 \div 60$

i) $3,805,000 \div 100$

2) What is the product of 99 and 9?

3) What is the difference between 103 and 37?

4) What is the sum of 9999 and 9?

5) Complete the following using long multiplication:

$$\begin{array}{r} 213 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 652 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 821 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} 734 \\ \times 26 \\ \hline \end{array}$$

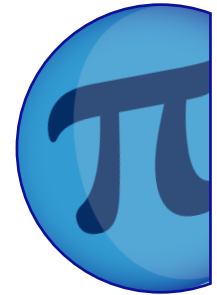


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Core

1) Find the answers to the following:

a) 483×40

b) 704×700

c) 788×80

d) 108×8000

e) $3546 \div 90$

f) $7533 \div 900$

g) $1568 \div 700$

h) $1715 \div 700$

2) Copy and complete the following:

a)
$$\begin{array}{r} 153 \\ \times 72 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 436 \\ \times 48 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 804 \\ \times 92 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 356 \\ \times 55 \\ \hline \end{array}$$

3) Use the Egyptian method to multiply the following:

a) 4×6

b) 3×5

4) Express the following numbers as powers of 2:

a) 4

b) 32

c) 64

d) 36

5) Express the following numbers in binary form:

a) 3

b) 5

c) 7

d) 10



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Advanced

1) Complete the following:

a)
$$\begin{array}{r} 3874 \\ \times 89 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 2982 \\ \times 67 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 1324 \\ \times 24 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 2978 \\ \times 63 \\ \hline \end{array}$$

2) Evaluate the following:

a) 6^2

b) $4^2 \times 9^2$

c) $11^2 \times 13^2$

d) 5^2

e) $2^n = 128$ What is the value of n?

3) Change the following numbers from decimal to binary:

a) 16

b) 32

c) 85

d) 47

4) Change the following numbers from binary to decimal:

a) 1001

b) 110001

c) 10000111

d) 11111



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ANSWERS

Basic

1) a) 126 b) 43 c) 12,200 d) 290 e) 1482
f) 99 g) 11,250 h) 975 i) 38,050

2) 891

3) 66

4) 10,008

Core

1) a) 19,320 b) 492,800 c) 63,040 d) 864,000
e) 39.4 f) 8.37 g) 2.24 h) 2.45

2) a) 11,016 b) 20,928 c) 73,968 d) 19,580

3) a) 24 b) 15

4) a) 2^2 b) 2^5 c) 2^6 d) $2^5 + 2^2$

5) a) 11 b) 101 c) 111 d) 1010

Advanced

1) a) 344,786 b) 31,776 c) 199,794 d) 187,614

2) a) 36 b) 1296 c) 20,449 d) 25 e) $n = 7$

3) a) 10000 b) 100000 c) 1010101 d) 101111

4) a) 9 b) 49 c) 135 d) 31