

Name: _____

Solve.

1 a. 2^1

1 b. 5^2

2 a. 3^3

2 b. 8^2

3 a. 0^{82}

3 b. 100^n

4 a. 10^7

4 b. 0^{20}

5 a. 8^1

5 b. 5^1

Write using exponents. For example, $8 \times 8 \times 8$ is written as 8^3 . You don't have to solve.

1 a. $9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9$

2 a. $64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64$

3 a. $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$

4 a. $100 \times 100 \times 100 \times 100 \times 100$

Write as a power of 2:

You can use prime factorization

$$8 =$$

$$64 =$$

Solve:

PEMDAS

$$75 \div (20 + 12 - 7)$$

$$8(5^2 + 15) - (7 + 13)$$

$$(25 + 5) \times 3 - 13$$

$$120 \div (7 \times 7 - 3^2)$$