

Review: PEMDAS Shuffle  
song

[https://www.youtube.com  
/watch?v=EfgtWthLvK4](https://www.youtube.com/watch?v=EfgtWthLvK4)

Use these directions to complete your order to operations questions

- Step by Step instructions  
<https://www.youtube.com/watch?v=MMzs8M5pdxU>
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- 1. There are 43 players on each football team in the state playoffs. How many players are there if there are 10 teams in the playoffs?
- A. 53 players
- B. 430 players
- C. 431 players
- D. 1,043 players

What is the first step in solving this problem?

$$36 \div 3 - 4 + (8 \div 8) \cdot 6$$

A.  $1 \times 6$

B.  $8 \times 6$

C.  $36 \div 3$

D.  $8 \div 8$

- 3. Devora wrote the multiplication problem below.
- $27 \times 28$  What is the product?
- A. 55
- B. 756
- C. 786
- D. 766

Which expression represents this sentence?

***Add 15 and 3, then divide by 6***

A.  $(15 - 3) \div 6$

B.  $(15 + 3) \div 6$

C.  $(15 - 3) \times 6$

D.  $(15 + 3) \times 6$

• 5. Carl needs to simplify this expression. Which two expressions will he complete first?

•  $2 \times 6 + 5 \times 7 + 3$

• A.  $(2 \times 6) + 5 \times (7 + 3)$

C.  $2 \times (6 + 5) \times (7 + 3)$

• B.  $(2 \times 6) + (5 \times 7) + 3$

D.  $2 \times (6 + 5) \times 7 + 3$

6. Terry's answer to the test question below was 21. Is he correct? Why or why not?

Evaluate:  $\{[(11 + 7) - (2 \times 3)] + 6\} \div 2$



# Understand exponents

- <https://www.khanacademy.org/math/in-seventh-grade-math/exponents-powers/in-exponents/v/introduction-to-exponents>

1.

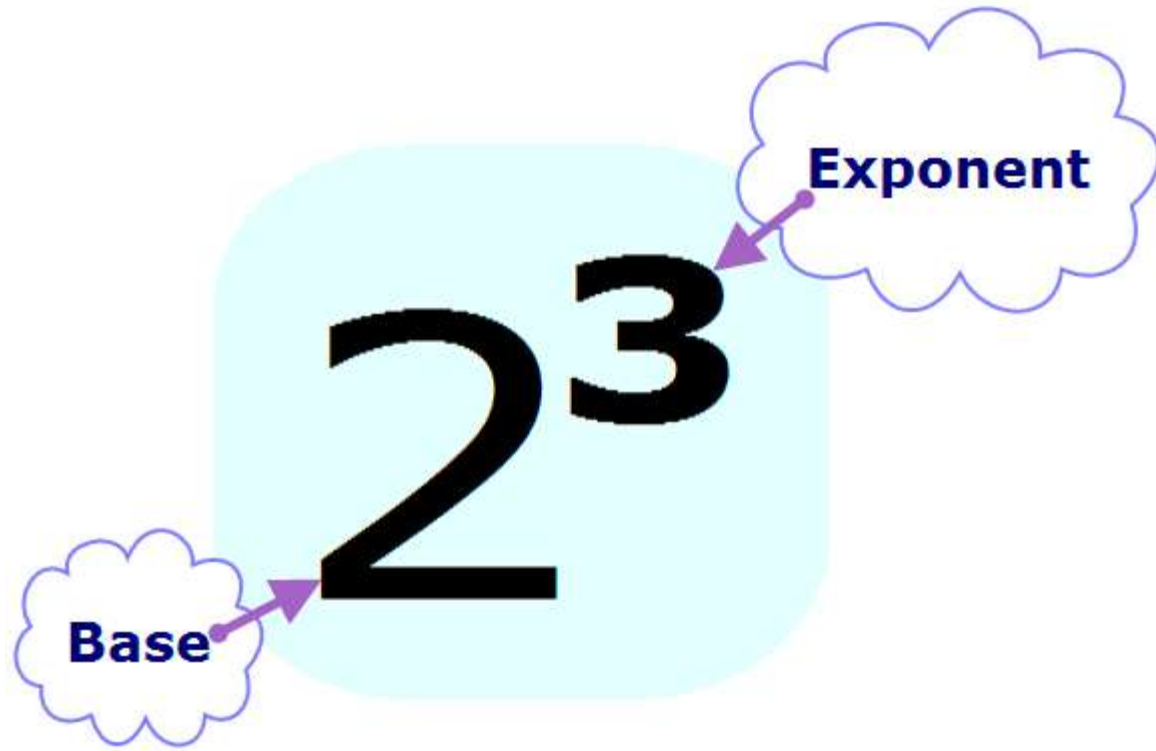
base

exponent

$$4^3 = 4 \cdot 4 \cdot 4$$

3 times

2.



3.

The diagram shows the equation  $8^3 = 8 \times 8 \times 8$  on a black background. The base number '8' is green, the exponent '3' is pink, and the equals sign is blue. The three '8's in the product are also green, and the two multiplication signs are blue. A green arrow points from the text 'Base number' to the first '8'. A pink arrow points from the text 'Exponent' to the '3'.

$$8^3 = 8 \times 8 \times 8$$

Base number

Exponent

4.

The diagram illustrates the expansion of the power expression  $2^6$ . The base '2' is labeled 'Base' and the exponent '6' is labeled 'Power'. The expression is expanded into a product of six 2s:  $2 \times 2 \times 2 \times 2 \times 2 \times 2$ .

$$2^6 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$$

5.

$$2^3 - 3 \times (7 - 5) =$$

Independent  
work.

Label your  
paper:  
Milestones  
Practice 2

