

YouTube Channel: Surviving Math

Video: Order of Operations

Visit the link or scan the QR code to get to the video:



<https://youtu.be/GLfipQowcQ8>

Fill in the blanks go along with the first example:

- The problems should be solved from _____ to _____ as you would read a sentence.
- The first thing to solve is anything inside _____.
- Next, we will solve the _____.
- For the _____ and _____ portion, just solve them as they appear first.
- And finally _____ and _____, again just solve them as they appear first working from left to right.

Solve by filling in the blanks to along with the example in the video:

$$\begin{aligned} & 36 \div 6 \times 2 + 5^2 - (4 \times 3) \\ & 36 \div 6 \times 2 + 5^2 - (\underline{\quad}) \\ & 36 \div 6 \times 2 + \underline{\quad} - 12 \\ & \quad \underline{\quad} \times 2 + 25 - 12 \\ & \quad \quad \underline{\quad} + 25 - 12 \\ & \quad \quad \quad \underline{\quad} - 12 \\ & \quad \quad \quad \quad \underline{\quad} \end{aligned}$$

$$\begin{aligned} & 10 \times 2 + (12-3) \times 5 \\ & 10 \times 2 + \underline{\quad} \times 5 \\ & \quad \underline{\quad} + 9 \times 5 \\ & \quad \quad 20 + \underline{\quad} \\ & \quad \quad \quad \underline{\quad} \end{aligned}$$

Solve the practice problems. Answers are shown at the end of the video.

a) Put the order of operations in the correct order.

Addition	Subtraction
Exponents	
Multiplication	Division
Parenthesis	

b) $8 + 1 \times (7 - 3) + 2^2$

c) $7^2 + 70 \div 10 \times 3 + (4 + 2)$

d) $5 + 4 \times 3 - (25 \div 5) - 3^2$

e) $3 \times (6 + 4) + 7 - 2$