



# Order of Operations

Name \_\_\_\_\_

Date \_\_\_\_\_

## BACKGROUND

1<sup>ST</sup> Base

Billy is a general manager of a professional baseball team and is researching the advanced stat OPS (On-Base Percentage + Slugging Percentage). This stat has proven to be a strong indicator of performance. Billy needs to rank the players based on their OPS and make a recommendation to ownership for which player to sign. Billy is analyzing available free agents and will use the following formula for OPS.

$$OPS = \frac{H + BB + HBP}{AB + BB + HBP + SAC} + \frac{1 * S + 2 * D + 3 * T + 4 * HR}{AB}$$

	AB (at-bats)	H (hits)	HBP (hit by pitch)	BB (walks)	SAC (sacrifices)	S (singles)	D (doubles)	T (triples)	HR (homeruns)
Cabrera	572	197	3	130	5	119	48	0	30
Felder	569	170	10	139	6	95	36	1	38
Pujols	579	173	4	76	7	107	29	0	37
Trout	589	190	9	120	8	108	39	9	34

## RESEARCH

2<sup>ND</sup> Base

Use this space to make any calculations and show work.

## ARGUMENTS

What are the two or three best choices to make and why?

3<sup>RD</sup> Base

## DECISION

Make a decision and provide reasons to support it.

HOME