



## B · E · D · M · A · S

Given the expression  $2 + (3 + 4)^2 - 5 \times (8 - 7) - 22 \div 2$



### B

#### Brackets

Start with any operations inside of brackets.

$$2 + (3 + 4)^2 - 5 \times (8 - 7) - 22 \div 2$$
$$= 2 + 7^2 - 5 \times 1 - 22 \div 2$$

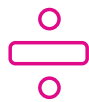


### E

#### Exponents

Then simplify the terms with exponents.

$$2 + 7^2 - 5 \times 1 - 22 \div 2$$
$$= 2 + 49 - 5 \times 1 - 22 \div 2$$



### D

#### Division

$$2 + 49 - 5 \times 1 - 22 \div 2$$
$$= 2 + 49 - 5 - 11$$



### M

#### Multiplication

Next do division and multiplication in the order they appear in the question.



### A

#### Addition

$$2 + 49 - 5 - 11$$
$$= 51 - 5 - 11$$
$$= 46 - 11$$
$$= 35$$



### S

#### Subtraction

Finally do addition and subtraction in the order they appear in the question.