NOTES.

Order of Operations

B → 1 → Brackets

E → 2 → Exponents

D → 3 → Division
M → 3 → Multiplication

} in the order they appear from left to right.

A → 4 → Addition
S → 4 → Subtraction

} in the order they appear from left to right.

Try These:

$36 \div 9 - 8 + 21 \div 3 =$

$4 - 8 + 7$

$-4 + 7$

3

$(2 \times 3) + (14 \div 7) =$

$6 + 2$

8

$(2 + 4)^2 + (13 + 24 \div 2) =$

$6^2 + (13 + 12)$

$6^2 + 25$

$36 + 25$

61

$(-11) \cdot 8 + (-6) - (-7) =$

$-88 + (-6) - (-7)$

$-94 - (-7)$

-87

Adding and Subtracting with Powers

a) $3^3 + 2^3$

$27 + 8$

35

b) $3 - 2^3$

$3 - 8$

-5

c) $(3 + 2)^3$

5^3

125

d) $(2 \times 4)^2 - 5^2$

$8^2 - 5^2$

$64 - 25$

39

Multiplying and Dividing with Powers

a) $[2 \times (-3)^3 - 6]^2$

$[2 \times (-27) - 6]^2$

$[-54 - 6]^2$

$[-60]^2$

3600

b) $[(18^2 + 5^2)^0] \div (-1)^3$

$1 \div (-1)^3$

$1 \div (-1)$

-1