Name:

Grade:

Score:

Worksheet #1



BIDMAS

Learning goal: Students will apply BIDMAS (Brackets, Indices, Division, Multiplication, Addition, and Subtraction) to simplify numerical expressions using step-by-step calculations.

$$\sqrt{121} - 4^3 + (20.4 \div 4)$$

$$= 11 - 64 + 5.1$$

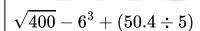
$$= -53 + 5.1$$

$$= -47.9$$

$$\sqrt{81} - 2^5 - (15.5 imes 2)$$

$$7^2 - \sqrt{169} + (8.5 imes - 3)$$

$$5^2 - \sqrt{49} + (3.6 \times -4)$$



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$$\sqrt{256} - 5^3 + (30.6 \div 5)$$

$$12^2 - \sqrt{529} + (24.6 \div -4)$$

$$14^2 - \sqrt{729} + (36.6 \div -6)$$

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Name:

Grade:

Score:

Worksheet #1(Answers)



BIDMAS

Learning goal: Students will apply BIDMAS (Brackets, Indices, Division, Multiplication, Addition, and Subtraction) to simplify numerical expressions using step-by-step calculations.

$$\sqrt{121} - 4^3 + (20.4 \div 4)$$

$$=11-64+5.1$$

$$= -53 + 5.1$$

$$= -47.9$$

$$\sqrt{81} - 2^5 - (15.5 imes 2)$$

$$=9+32-31$$

$$= 41 - 31$$

$$=10$$

$$7^2 - \sqrt{169} + (8.5 \times -3)$$

$$=49-13-25.5$$

$$=36-25.5$$

$$= 10.5$$

$$5^2 - \sqrt{49} + (3.6 \times -4)$$

$$=25-7-14.4$$

$$= 18 - 14.4$$

$$= 3.6$$

BELIEVE

$$\sqrt{400} - 6^3 + (50.4 \div 5)$$

$$=20-216+10.08$$

$$=-196+10.08$$

$$=-185.92$$

$$\sqrt{256} - 5^3 + (30.6 \div 5)$$

$$=16-125+6.12$$

$$=-109+6.12$$

$$=-102.88$$

$$12^2 - \sqrt{529} + (24.6 \div -4)$$

$$=144-23+6.15$$

$$=121-6.15$$

$$= 114.85$$

$$14^2 - \sqrt{729} + (36.6 \div -6)$$

$$=196-27-6.1$$

$$= 169 - 6.1$$

$$= 162.9$$

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