

Name _____

5-Step Order of Operations - Mixed Review Answer Key

A) Evaluate

- $(7+3)=10 \rightarrow (6-2)=4 \rightarrow 10 \times 4=40 \rightarrow 12 \div 3=4 \rightarrow 40+4-5= \mathbf{39}$
 - $(21-9)=12 \rightarrow (6-3)=3 \rightarrow 12 \div 3=4 \rightarrow 7 \times 2=14 \rightarrow 4+14-4= \mathbf{14}$
 - $(9-5)=4 \rightarrow 32 \div 4=8 \rightarrow (4 \times 3)=12 \rightarrow 8+12=20 \rightarrow 20-6= \mathbf{14}$
-

B) Missing Factor

- $(4-1)=3 \rightarrow 12 \div 2=6 \rightarrow (+5) \times 3 + 6 - 7 = \mathbf{32} \rightarrow (+5) \times 3 - 1 = 32 \rightarrow (__ + 5) \times 3 = 33 \rightarrow __ + 5 = 11 \rightarrow __ = \mathbf{6}$
 - $(8-4)=4 \rightarrow 6 \times 2=12 \rightarrow (18 - __) \div 4 + 12 - 5 = 10 \rightarrow (18 - __) \div 4 + 7 = 10 \rightarrow (18 - __) \div 4 = 3 \rightarrow 18 - __ = 12 \rightarrow __ = \mathbf{6}$
 - $(5 \times 2)=10 \rightarrow 30 \div (-2) + 10 - 3 = \mathbf{17} \rightarrow 30 \div (-2) + 7 = 17 \rightarrow 30 \div (__ - 2) = 10 \rightarrow __ - 2 = 3 \rightarrow __ = \mathbf{5}$
-

C) Multiple Choice

- $(9+3)=12 \rightarrow (5-2)=3 \rightarrow 12 \times 3=36 \rightarrow 12 \div 6=2 \rightarrow 36+2-7= \mathbf{31} \rightarrow \mathbf{A}$
- $(10-6)=4 \rightarrow 28 \div 4=7 \rightarrow (6+5)=11 \rightarrow 7+11=18 \rightarrow 18+3= \mathbf{21} \rightarrow \mathbf{D}$
- $(24-8)=16 \rightarrow (12-8)=4 \rightarrow 16 \div 4=4 \rightarrow 9 \times 2=18 \rightarrow 4+18-1= \mathbf{21} \rightarrow \mathbf{C}$