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## 4.OA.A. 3 Order of Operations and Filling Numbers

4.OA.A.3: Solve multistep word problems posed with whole numbers using the four operations.

1. Find the value of each expression. Make sure that you use correct order of operation.
a. $80-11 \times 3-5$
b. $15 \div 3+28 \div 7$
c. $12 \times 3-36 \div 12$
d. $3 \times 7-25 \div 5+8$
e. $3+44 \div 11 \times 2-5$
f. $6+42 \div 6 \times 2-5$
g. $27 \div 9 \times 4-3+9$
h. $8 \times 4+16 \div 4+7$

## Solution:

a. $\qquad$
b. $\qquad$
c.
d. $\qquad$
e.
f. $\qquad$
g. $\qquad$
h. $\qquad$
2. Use the numbers listed to fill in the missing numbers to

Solution: make a true number sentence.
a. 2,5 , and $8 \rightarrow$
b. 3 and $18 \rightarrow$
$\qquad$ $+$
$=18$
c. 3,8 , and $25 \rightarrow$
$\qquad$ $=6$ $=30$
d. 8,9 , and 3
$\rightarrow$
$\times$
$\qquad$ $+$
e. 3,4 , and $5 \rightarrow-\quad \rightarrow-\quad-\quad=11$
f. 4,12 , and $20 \rightarrow$ $\qquad$ $-$ $\qquad$
g. 3,9 , and $48 \rightarrow ـ_{-} \times{ }^{+}+{ }_{\sim} \div{ }_{\sim}=43$
g.
3. If Ethan wins a game, seven tickets are given to him. If he loses, he must return four tickets. How many tickets does he receive, if he wins 5 games and loses 3 ?
4. Lyn buys 3 bouquets of flowers for $\$ 13$ each. He pays with four $\$ 10$ bills. How much money does he have left?

## Solution:

 kilograms of pet food. One kilogram costs $\$ 2$. Ceasar buys 4 hamster pets for $\$ 4$ each. He buys 7 kilograms of the same pet food. Who spent more money and by how much?6. What is the value of expression $63 \div 7-12+5 \times 8 \div 4$ ?
A. 27
C. 7
B. 45
D. None of the above
a.
b.
c.
d.
e.
f.
g.

## Solution:

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## Solution:

a. $80-33-5=47-5=42$
b. $5+4=9$
c. $36-3=33$
d. $21-5+8=16+8=24$
e. $3+4 \times 2-5=3+8-5=6$
f. $6+7 \times 2-5=6+14-5=15$
g. $3 \times 4-3+9=12-3+9=18$
h. $32+4+7=36+7=43$
2. Use the numbers listed to fill in the missing numbers to make a true number sentence.

3. If Ethan wins a game, seven tickets are given to him. If he loses, he must return four tickets. How many tickets does he receive, if he wins 5 games and loses 3 ?
4. Lyn buys 3 bouquets of flowers for $\$ 13$ each. He pays with four $\$ 10$ bills. How much money does he have left?
5. Pola buys 3 hamster pets for $\$ 5$ each. She also buys 9 kilograms of pet food. One kilogram costs \$2. Ceasar buys 4 hamster pets for $\$ 4$ each. He buys 7 kilograms of the same pet food. Who spent more money and by how much?
6. What is the value of expression $63 \div 7-12+5 \times 8 \div 4$ ?
A. 27
C. 7
B. 45
D. None of the above

## Solution:

a. $2 \times 5+8=18$
b. $18 \div 3=6$
c. $25-3+8=30$
d. $8 \times 9+3=75$
e. $3 \times 5-4=11$
f. $12 \div 4+20 \div 4=8$
g. $3 \times 9+48 \div 3=43$

## Solution:

$(5 \times 7)-(3 \times 4)=35-12=23$
Answer: 23 tickets

Solution:
$(4 \times 10)-(3 \times 13)=40-39=\$ 1$

## Solution:

Pola: $3 \times 5+9 \times 2=33$
Ceasar: $4 \times 4+7 \times 2=30$
Pola spent more money by $\$ 3$.

## Solution:

C. 7

