## tutorified

## 4.OA.A.3 Order of Operations and Problem Solving

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. $2 \times 8-9 \div 3+6$
b. $11 \times 7-60+44 \div 4$
c. $35-3 \times 9+18$
d. $12 \times 1-18 \div 2+13$
e. $56 \div 8-3+4 \times 6$
f. $80 \div 8+36 \div 9 \times 2$
g. $6 \times 7 \div 14 \times 3-5$
h. $15+30 \div 3 \times 5-2 \times 13$

## Solution:

a.
b.
c.
d.
e.
f.
g .
h. $\qquad$
2. Barry gets his clothes washed for $\$ 15$. He buys 3 packs of detergent. He pays $\$ 40$ and get $\$ 7$ back. What was the price of a pack of detergent?
3. Luna pays $\$ 15$ per month for her telephone bill. On average, she makes an extra call for $\$ 2$ every month. How much does she pay in a year?
4. Samantha is sewing handkerchiefs. For first four days, she

## Solution:

Solution:

Solution: sewed 6 handkerchiefs each day. For next three days, she sewed 8 handkerchiefs each day. How many handkerchiefs did she sew in the whole week?
5. Derik started a business. He purchased 15 pillows online for $\$ 4$ each. He sold all these pillows in their village and made a profit of $\$ 30$. How much did he sell each pillow for?

## Solution:

6. Father buys 3 packs of paper towels for $\$ 5$ each. He also buys 4 cans of milk for $\$ 2$ each. He pays with two $\$ 10$ and one $\$ 5$ bill. How much money does he have left?

## Solution:

. Carlo orders 2 coffees for $\$ 5$ each and 5 slices of cake for $\$ 8$ Solution: each. Which expression shows the money he spent?
A. $2+8 \times 5+8$
C. $2+5+5+8$
B. $2 \times 5+5 \times 8$
D. None of the above

## tutorified

## 4.OA.A. 3 Order of Operations and Problem Solving

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. $2 \times 8-9 \div 3+6$
b. $\quad 11 \times 7-60+44 \div 4$
c. $35-3 \times 9+18$
d. $12 \times 1-18 \div 2+13$
e. $56 \div 8-3+4 \times 6$
f. $80 \div 8+36 \div 9 \times 2$
g. $6 \times 7 \div 14 \times 3-5$
h. $15+30 \div 3 \times 5-2 \times 13$

## Solution:

a. $\quad 16-3+6=13+6=19$
b. $77-60+11=17+11=28$
c. $35-27+18=8+18=26$
d. $12-9+13=3+13=16$
e. $7-3+24=4+24=28$
f. $\frac{10+4 \times 2=10+8=18}{42 \div 14 \times 3-5=3 \times 3-5=4}$
h. $15+10 \times 5-26=15+50-26=39$
2. Barry gets his clothes washed for $\$ 15$. He buys 3 packs of detergent. He pays $\$ 40$ and get $\$ 7$ back. What was the price of a pack of detergent?
3. Luna pays $\$ 15$ per month for her telephone bill. On average, she makes an extra call for $\$ 2$ every month. How much does she pay in a year?
4. Samantha is sewing handkerchiefs. For first four days, she sewed 6 handkerchiefs each day. For next three days, she sewed 8 handkerchiefs each day. How many handkerchiefs did she sew in the whole week?
5. Derik started a business. He purchased 15 pillows online for $\$ 4$ each. He sold all these pillows in their village and made a profit of $\$ 30$. How much did he sell each pillow for?

Solution:
$(40-7-15) \div 3=18 \div 3=6$
Answer: \$6

Solution:
$12 \times(15+2)=12 \times 17=204$
Answer: \$204

Solution:
$4 \times 6+3 \times 8=24+24=48$
Answer: 48 handkerchiefs

Solution:
$(15 \times 4+30) \div 15=90 \div 15=6$
Answer: \$6

Solution:
$(2 \times 10+5)-(3 \times 5+4 \times 2)$
$25-23=2$; Answer: $\$ 2$
7. Carlo orders 2 coffees for $\$ 5$ each and 5 slices of cake for $\$ 8$ each. Which expression shows the money he spent?
A. $2+8 \times 5+8$
C. $2+5+5+8$
B. $2 \times 5+5 \times 8$
D. None of the above

Solution:
B. $2 \times 5+5 \times 8$

