Tutorial Set 13 Seventh Grade Math Practice Example-1 From LEAP 25

1. On Mondays, a café offers its customers a 25% discount on all coffee purchases. The café usually charges c dollars for a flavored coffee. The expression below can be used to determine the cost of a flavored coffee on Mondays.

$$c - 0.25c$$

Which expression could also be used to determine the cost of a flavored coffee on Mondays?

A. $0.25c$
B. $0.75c$
C. $1.25c$
D. $1.75c$

2. Payton bought packages of black T-shirts and packages of white T-shirts. Each package of black T-shirts contains 3 shirts. Each package of white T-shirts contains 4 shirts. Payton bought b packages of black T-shirts and 5 packages of white T-shirts for a total of 38 T-shirts.

Which equation could Payton solve to determine the number of packages of black T-shirts, b, he bought?

A. $38 - 5(4) = b$

B. $3b + 4(5) = 38$

C. $38 - 3b = 5$

D. $3(4) + 5b = 38$

3. Lara charges $12 per hour for babysitting. If f represents Lara's total fee after babysitting for h hours, which equations can be used to model the situation?

Select **all** the correct equations.

A. $f = 12h$
B. $f = (1/12)h$
C. $h = 12f$
D. $h = (1/12)f$
E. $f = h + 12$
F. $12 = f + h$

4. The table below shows the high temperature for each of six days in February. It also shows the difference between the high and the low temperature for each day.

Daily Temperatures

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
high	8°F	3°F	−2°F	0°F	13°F	4°F
difference	9°F	8°F	5°F	3°F	11°F	9°F

Select **all** the days that the temperature reached below –3°F.

A. Monday

B Tuesday

C. Wednesday

D. Thursday

E. Friday

F. Saturday

5. Paige had 18 dollars. She spent 6 of these dollars.

Select **all** the expressions that could be used to represent the number of dollars that Paige has now.

A. 18 + 6

B. 18 + 6

C. 18 – 6

D. (18) – 6

E. 18 + (6)

F. 18 – (6)