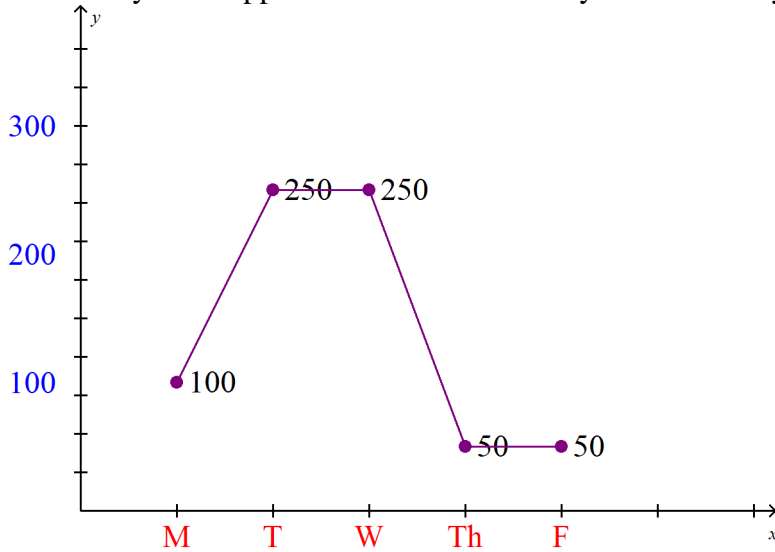


MULTIPLE CHOICE

1. How many more apples were sold on Monday than on Friday?



- a. 50
- b. 200
- c. 100
- d. 150

ANS: A

Find Monday(M) and Friday(F) on x-axis. Then find their values on y-axis. You need to subtract the F-value from the M-value.

	Feedback
A	Correct!
B	Are you looking at the correct days?
C	You are off by 50.
D	You are guessing.

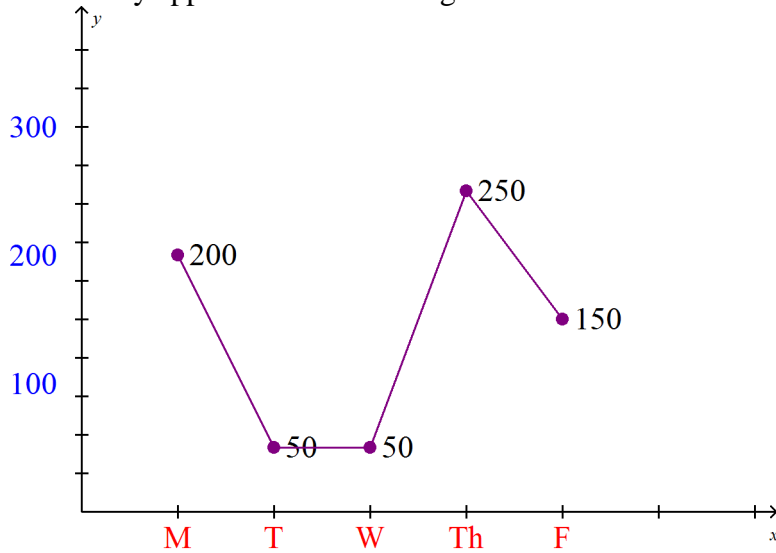
PTS: 1

DIF: Grade 5

REF: 5AF.1.0 Students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results.

OBJ: 5AF.1.1 Students use information taken from a graph or equation to answer questions about a problem situation. TOP: Algebra and Functions MSC: LFS-448

2. How many apples were sold all together this week?



- a. 700
- b. 750
- c. 550
- d. 600

ANS: A

Find the value (number of sold apples) for each day. Then find their sum

	Feedback
A	Correct!
B	You are off by 50.
C	You have calculated incorrectly. Check your addition.
D	You are off by 100.

PTS: 1

DIF: Grade 5

REF: 5AF.1.0 Students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results.

OBJ: 5AF.1.1 Students use information taken from a graph or equation to answer questions about a problem situation. TOP: Algebra and Functions MSC: LFS-448

4. $x = 3(p - 7)$, what is x if $p = 8$?

- a. 3
- b. 17
- c. 5
- d. 21

ANS: A

We substitute $p = 8$ into the equation $x = 3(p - 7)$ and solve for x .

Since this is an equation = sentence, we write every step on a new line!

$$x = 3(p - 7)$$

$$x = 3(8 - 7)$$

$$x = 3 \cdot 1$$

$$x = 3$$

	Feedback
A	Correct!
B	You need to do the operation in the parenthesis first or use the distributive rule.
C	You have calculated incorrectly. Check your addition and multiplication.
D	You are guessing.

PTS: 1

DIF: Grade 5

REF: 5AF.1.0 Students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results.

OBJ: 5AF.1.2 Students use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.

TOP: Algebra and Functions

MSC: LFS-448

8. Simplify the expression $2(3y - 4)$

a. $6y - 8$

c. $6y + 8$

b. $y = \frac{4}{3}$

d. $6y - 4$

ANS: A

Since we are simplifying an **expression**, we write a “snake” of equal signs.

$$2(3y - 4) = 2 \cdot 3y - 2 \cdot 4 = 6y - 8$$

	Feedback
A	Correct!
B	This is an expression - there is nothing to solve for!
C	Do not change the sign in the second term since $2 \cdot (-4) = -8$
D	You must use the distributive rule.

PTS: 1

DIF: Grade 5

REF: 5AF.1.0 Students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results.

OBJ: 5AF.1.3 Students know and use the distributive property in equations and expressions

TOP: Algebra and Functions

MSC: LFS-448

