TABE 11 & 12 MATHEMATICS PRACTICE ITEMS

1. Look at the expression.

10 + x/2

Part A

Evaluate the expression for $x = 4$.

Enter your response in the gridded area:

Part B

Evaluate the expression for $x = 32$.

Enter your response in the gridded area:

TABE 11 & 12 MATHEMATICS PRACTICE ITEMS

2. Which pair of numbers has a greatest common factor (GCF) of 32?

    A. 8 and 32

    B. 16 and 32

    C. 24 and 64

    D. 64 and 96

3. The price of apples at three different stores is shown below.

Store R sells apples for $1.20 per pound.

Store S sells 4 pounds of apples for $5.00.

Store T sells 3 pounds of apples for $3.48.

Which of these is a true statement?

    A. Store R sells apples at the lowest rate.

    B. Store T sells apples at the lowest rate.

    C. Store S charges a lower rate for apples than Store T.

    D. Store T charges the same rate for apples as Store R.

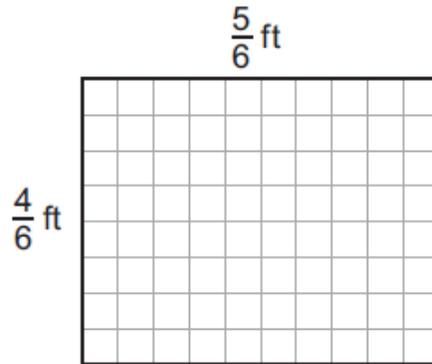TABE 11 & 12 MATHEMATICS PRACTICE ITEMS

4. Look at the rectangle.

What is the area of the rectangle, written in simplest form?

$\frac{5}{6}$ ft

$\frac{4}{6}$ ft

A. $\frac{5}{9}$ ft²

B. $\frac{3}{4}$ ft²

C. 3 ft²

D. $3\frac{1}{3}$ ft²

5. Two boys earn money mowing lawns. Jacob mowed 12 lawns this week. He mowed 3 times as many lawns as Kevin mowed.

In which equation does the box represent the number of lawns Kevin mowed?

A. 3 + □ = 12

B. 3 × □ = 12

C. 12 + 3 = □

D. 12 × 3 = □

6. Jason sells trail mix online. The table below lists the number of boxes in the orders on one day for his most popular fruit and nut mix.

Fruit and Nut Mix Orders

100	60	90	90	100
80	50	50	100	50
90	90	60	80	90
80	90	90	100	90

Which dot plot represents the data in the table?

A.

Fruit and Nut Mix Orders

B.

Fruit and Nut Mix Orders

C.

Fruit and Nut Mix Orders

D.
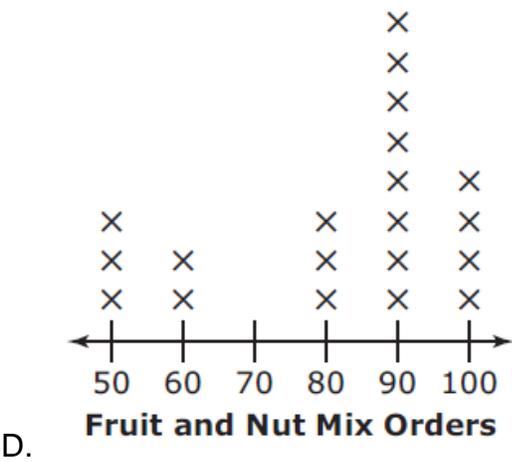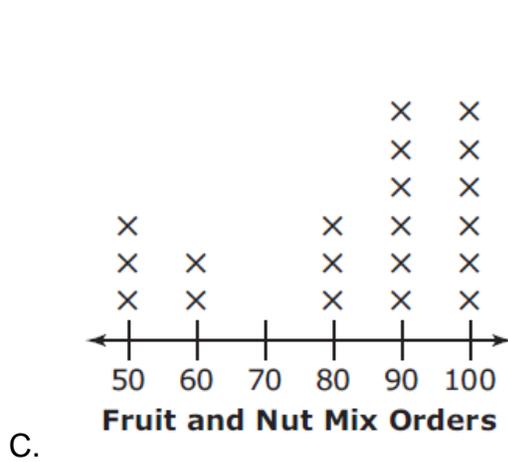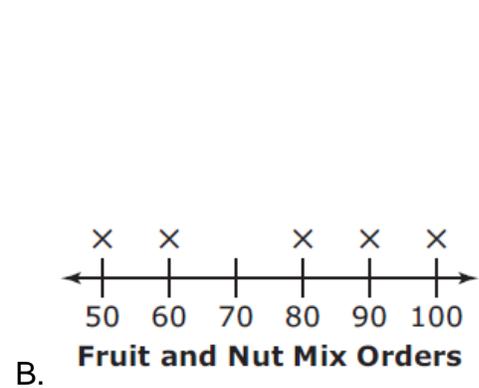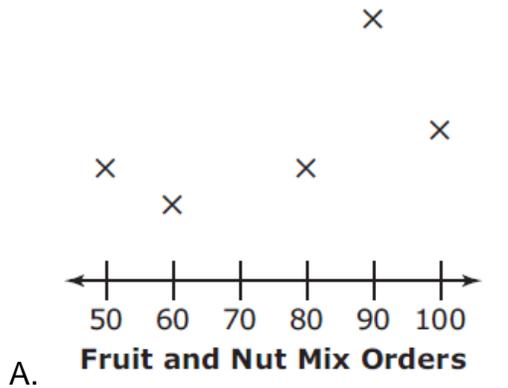
Fruit and Nut Mix Orders

7. Which attributes do all squares and all rhombuses have in common? Select all that apply.

    A. right angles

    B. acute and obtuse angles

    C. four angles of equal size

    D. four sides of equal length

    E. two pairs of parallel sides

    F. exactly one pair of parallel sides

ANSWER KEY:

1. Part A—12

   Part B—26

2. D

3. B

4. A

5. B

6. D

7. D, E