

Placement Test for  
Primary Mathematics 4B

1. What is the value of the digit 6 in 726,089? [1]

(A) 60

(B) 600

(C) 6,000

(D) 60,000

2. Which fractions are equivalent to  $\frac{4}{5}$ ?

Choose the **two** correct answers. [2]



(A)  $\frac{1}{5}$

(B)  $\frac{8}{10}$

(C)  $\frac{12}{16}$

(D)  $\frac{80}{100}$

3. How much money is there? [2]

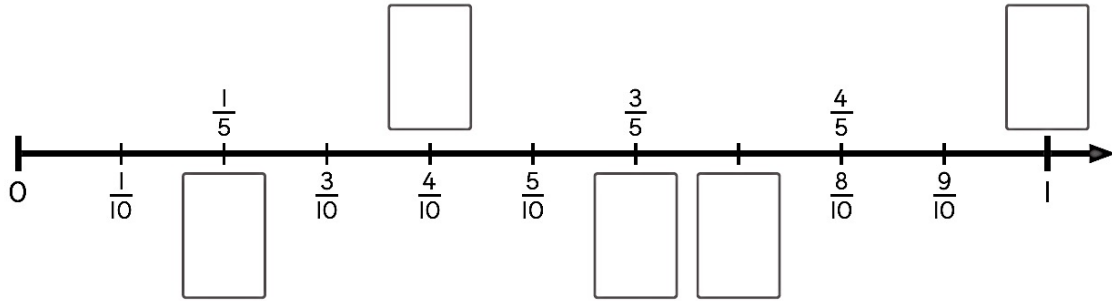
(a)



\_\_\_\_\_ cents



6. Write the missing fractions on the number line. [5]



7. Write the missing numbers. [4]

(a)

$$\frac{3}{5} \begin{array}{l} \xrightarrow{\times 2} \\ = \\ \xleftarrow{\times 2} \end{array} \boxed{\quad}$$

(b)

$$\frac{1}{4} \begin{array}{l} \xrightarrow{\times 3} \\ = \\ \xleftarrow{\times 3} \end{array} \boxed{\quad}$$

(c)

$$\frac{5}{6} \begin{array}{l} \xrightarrow{\times 4} \\ = \\ \xleftarrow{\times 4} \end{array} \boxed{\quad}$$

(d)

$$\frac{9}{10} \begin{array}{l} \xrightarrow{\times 10} \\ = \\ \xleftarrow{\times 10} \end{array} \boxed{\quad}$$

8. Express the fractions in simplest form. [4]

(a)  $\frac{8}{10} = \underline{\hspace{2cm}}$

(b)  $\frac{12}{60} = \underline{\hspace{2cm}}$

(c)  $1\frac{15}{25} = \underline{\hspace{2cm}}$

(d)  $4\frac{60}{100} = \underline{\hspace{2cm}}$

9. What is the area of Figure A?

[1]

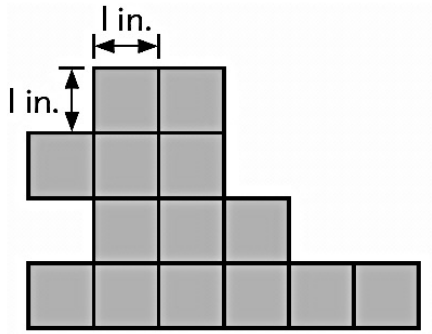


Figure A

- (A) 12 square in.
- (B) 14 square in.
- (C) 16 square in.
- (D) 18 square in.

10. What is the perimeter of Figure A?

[1]

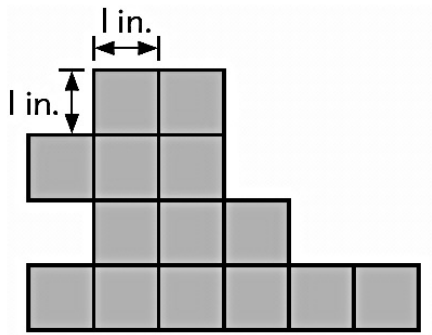
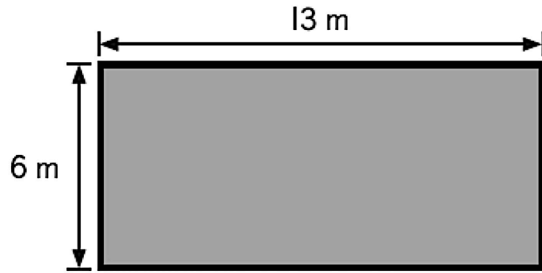


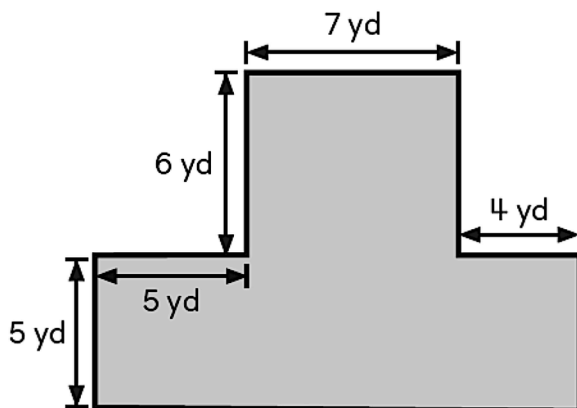
Figure A

- (A) 26 inches
- (B) 24 inches
- (C) 22 inches
- (D) 20 inches

11. Find the area and perimeter of the rectangular garden. [2]



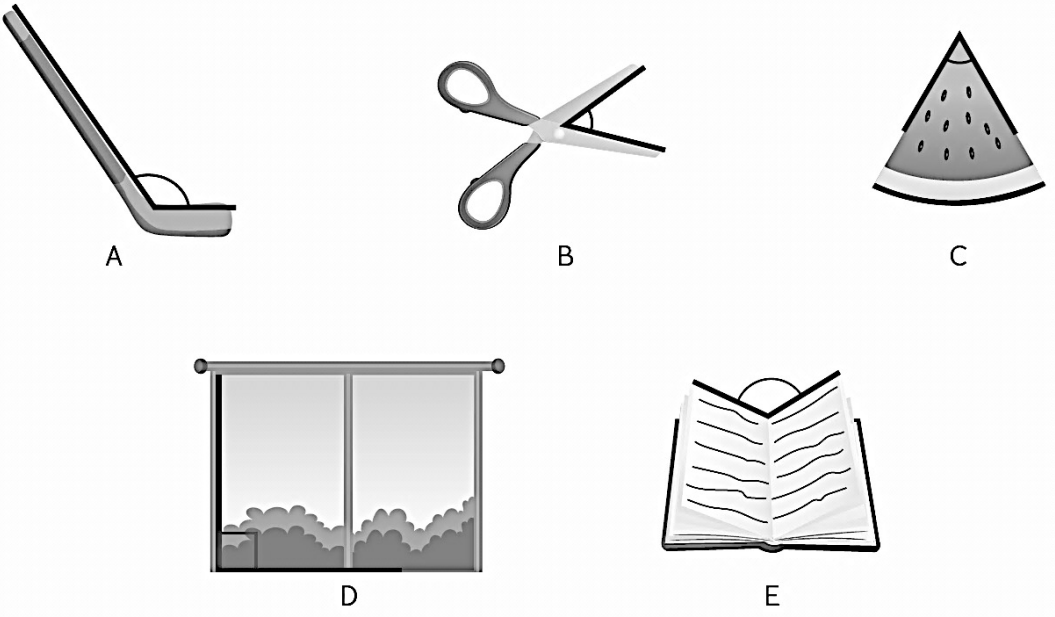
12. Divide the figure into two rectangles. Then find the area of the figure. [4]



13. Which of the following explain why a rhombus is a quadrilateral? [2]

- (A) It has 4 sides.
- (B) It has 2 equal sides.
- (C) It has 4 angles.
- (D) It has 4 right angles.

14. Compare the angles on these objects. [3]

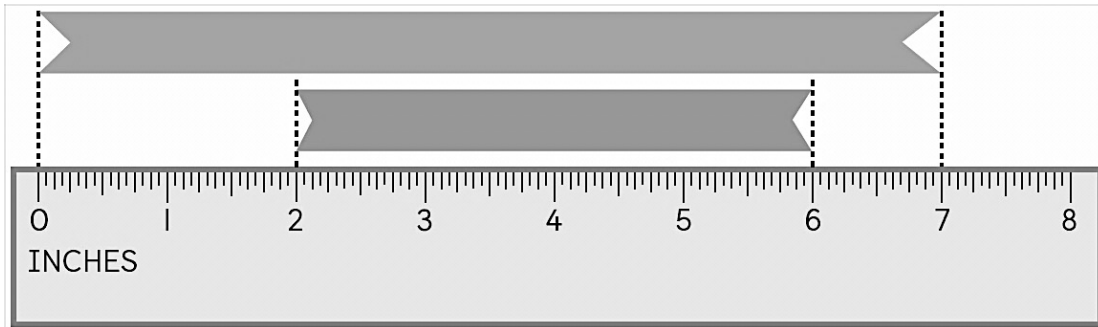


Complete the table to sort the angles.

Smaller than a right angle	Right angle	Larger than a right angle

15.

[4]



The length of the blue ribbon is \_\_\_\_\_ inches.

The length of the red ribbon is \_\_\_\_\_ inches.

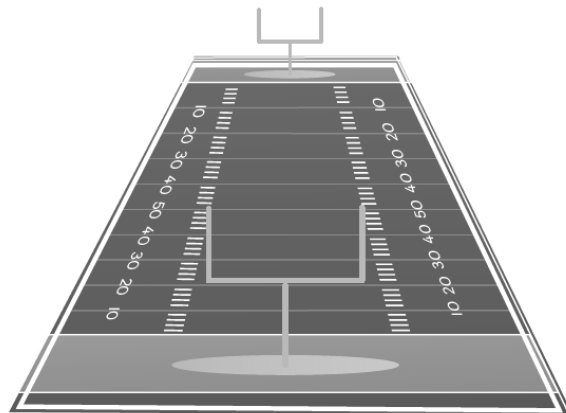
The total length of the two ribbons is \_\_\_\_\_ inches.

The difference in length between the two ribbons  
is \_\_\_\_\_ inches.

16. Write **feet** or **yards**.

[2]

(a)



The width of a football field is about 53 \_\_\_\_\_.

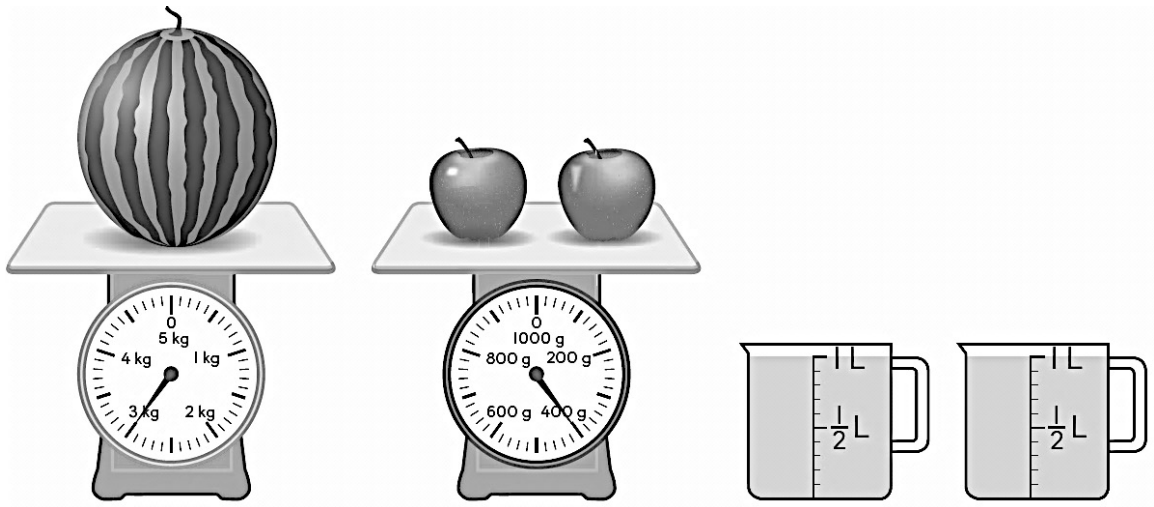
(b)



The length of a bicycle is about 6 \_\_\_\_\_.

17. Measure each of the following.

[3]



\_\_\_\_\_ kg

\_\_\_\_\_ g

\_\_\_\_\_ L



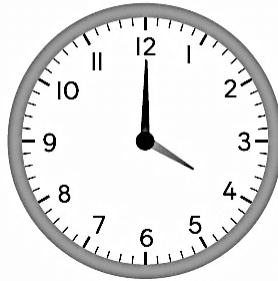
18. Write the time of Juan's activities using **a.m.** or **p.m.** [3]

Breakfast



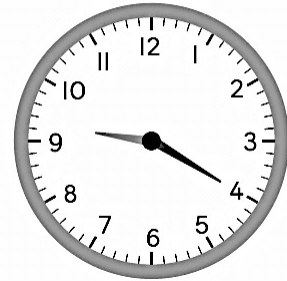
\_\_\_\_\_

Baseball practice



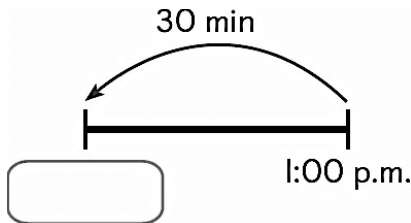
\_\_\_\_\_

Bedtime



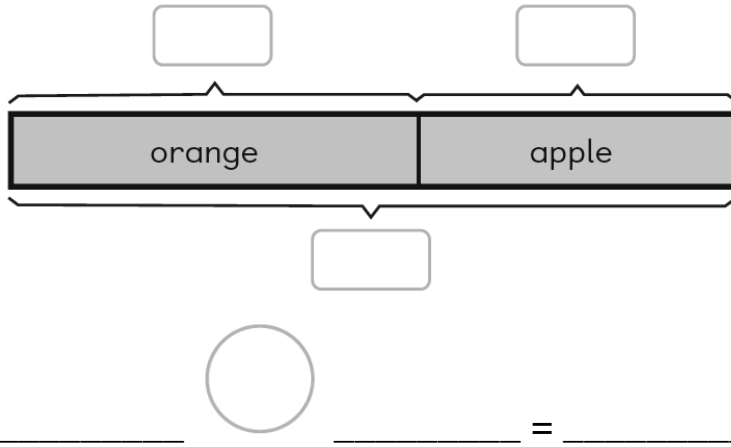
\_\_\_\_\_

19. Michael read a book for 30 minutes. He stopped reading at 1:00 p.m. What time did Michael start reading the book? [1]



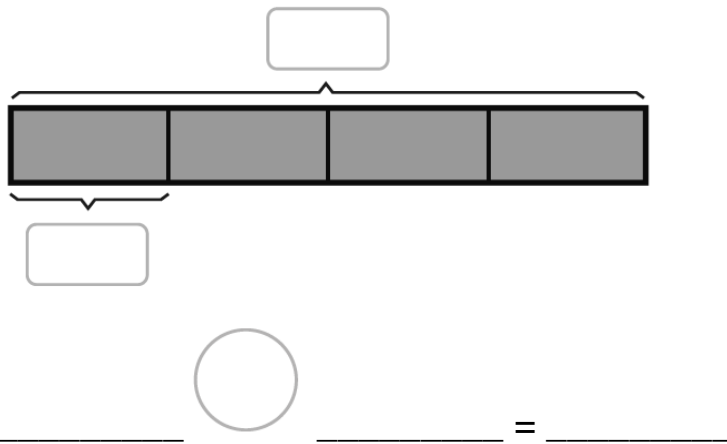
He started reading at \_\_\_\_\_

20. The mass of an orange is 350 grams. The mass of an apple is 225 grams. What is the total mass of the orange and apple? [3]



The total mass of the orange and apple is \_\_\_\_\_ grams.

21. Mr. Young had to fill an aquarium with 300 liters of water. He used 4 identical pails of water to fill the aquarium. What is the capacity of each pail? [3]



The capacity of each pail is \_\_\_\_\_ liters.

### Answer Key

1. C
2. B and D
3. (a) 9 (b) 117
4. 308,921, 310,892, 318,092
5. 205, 225

Start with 125, add 20.

6.  $\frac{2}{10}, \frac{2}{5}, \frac{6}{10}, \frac{7}{10}, \frac{5}{5}$
7. (a)  $\frac{6}{10}$  (b)  $\frac{3}{12}$   
(c)  $\frac{20}{24}$  (d)  $\frac{90}{100}$
8. (a)  $\frac{4}{5}$  (b)  $\frac{1}{5}$   
(c)  $1\frac{3}{5}$  (d)  $4\frac{3}{5}$

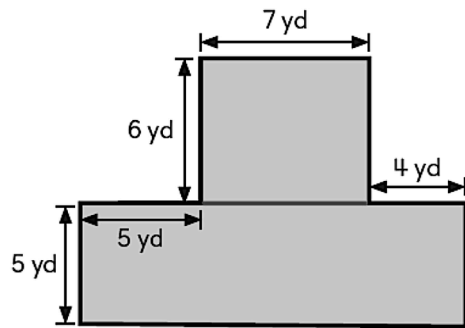
9. B
10. C
11.  $13 \times 6 = 78$

The area of the garden is 78 square meters.

$$13 + 6 + 13 + 6 = 38$$

The perimeter of the garden is 38 meters.

12.



$$7 \times 6 = 42$$

$$5 + 7 + 4 = 16$$

$$16 \times 5 = 80$$

$$42 + 80 = 122$$

The area of the figure is 122 square yards.

13. A and C

14. B and C

D

A and E

15. 7, 4, 11, 3

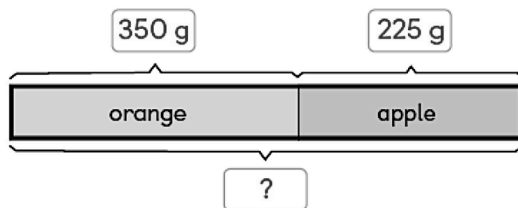
16. (a) yards (b) feet

17. 3, 400, 2

18. 7:05 a.m., 4:00 p.m., 9:20 p.m.

19. 12:30 p.m.

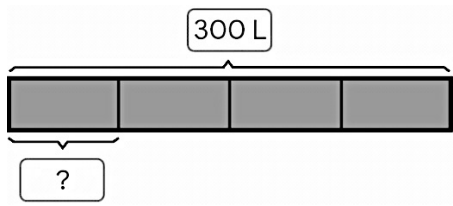
20.



$$350 + 225 = 575$$

575

21.



$$300 \div 4 = 75$$

75