



Name: _____

School: _____

Date: _____

Grade 6

Mathematics Intervention/ Programming Instrument

2019/2020

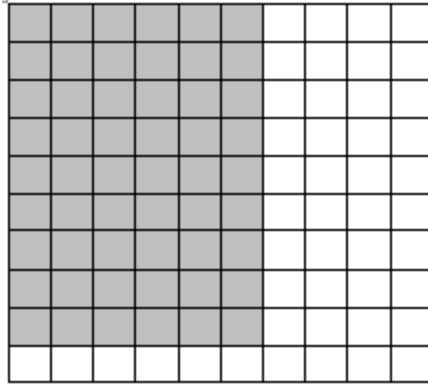
This Math assessment contains 14 multiple choice items
and 17 numeric response items.



MULTIPLE CHOICE

1.	In the number 956 281 the numeral in the hundreds place is A. 2 B. 5 C. 8 D. 9
2.	Fifty-nine thousand eighty-one represented in standard form is A. 50 981 B. 59 081 C. 59 810 D. 590 081
3.	The fraction $\frac{3}{8}$ is less than A. $\frac{1}{8}$ B. $\frac{2}{8}$ C. $\frac{3}{8}$ D. $\frac{4}{8}$
4.	The fraction $\frac{2}{3}$ is equivalent to A. $\frac{3}{9}$ B. $\frac{3}{4}$ C. $\frac{6}{9}$ D. $\frac{2}{6}$

5.



The decimal represented by the shaded portion of the **hundredths grid** above is

- A. 0.45
- B. 0.46
- C. 0.48
- D. 0.54

6.

The fraction equivalent to 0.45 is

- A. $\frac{4}{5}$
- B. $\frac{45}{10}$
- C. $\frac{45}{1000}$
- D. $\frac{45}{100}$

7.

The fraction equivalent to 0.09 is

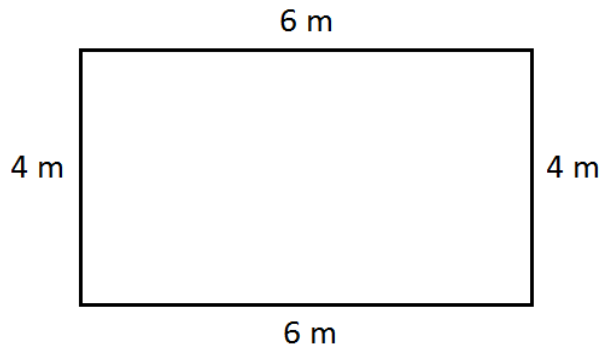
- A. $\frac{9}{1}$
- B. $\frac{9}{10}$
- C. $\frac{9}{100}$
- D. $\frac{9}{1000}$

8.

The decimal equal to $\frac{73}{1000}$ is

- A. 0.0073
- B. 0.073
- C. 0.73
- D. 7.30

9.



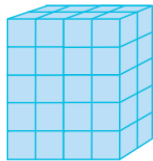
The rectangle above has an area of 24 m^2 . The dimensions of a different rectangle that would have the same area are

- A. $3 \text{ m} \times 8 \text{ m}$
- B. $3 \text{ m} \times 7 \text{ m}$
- C. $5 \text{ m} \times 5 \text{ m}$
- D. $2 \text{ m} \times 11 \text{ m}$

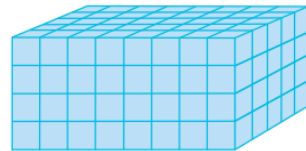
10.

The 3-D object that has the **greatest** volume is

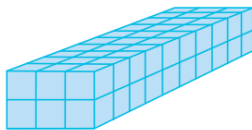
A.



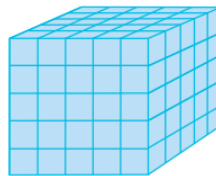
B.



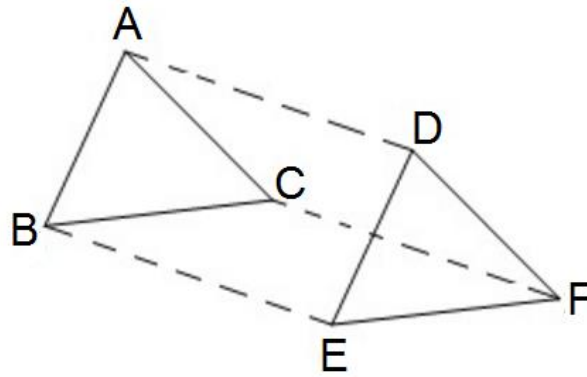
C.



D.



11.

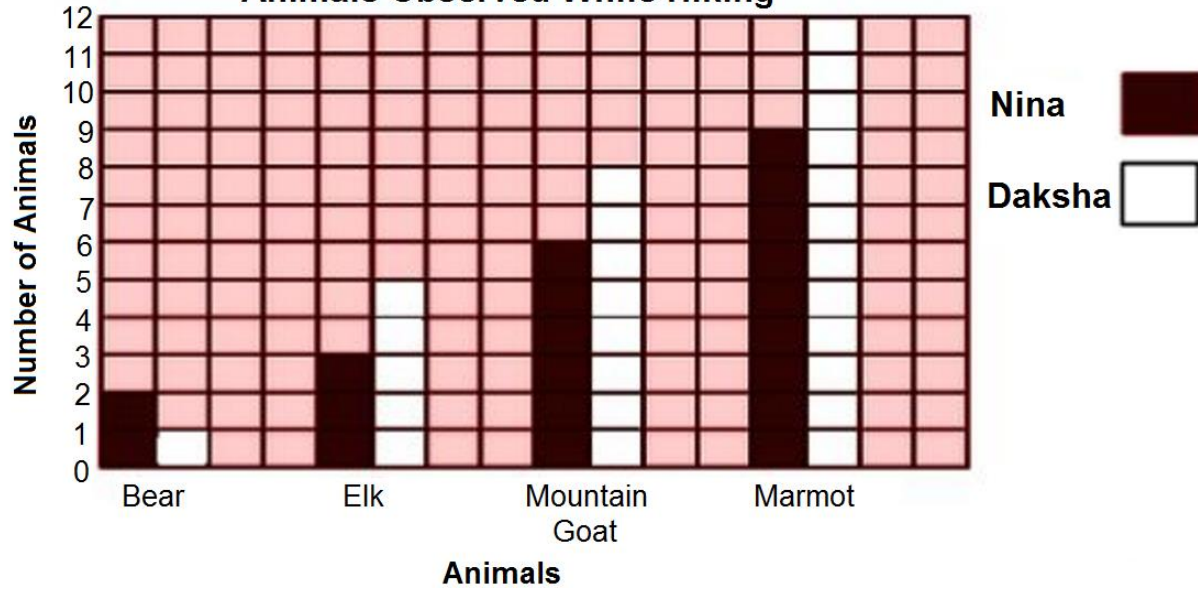


The faces ABC and DEF are

- A. parallel
- B. horizontal
- C. intersecting
- D. perpendicular

Using the following graph to answer questions 12, 13, and 14.

Animals Observed While Hiking



12. The animal that both Nina and Daksha observed most often is the

- A. mountain goat
- B. marmot
- C. bear
- D. elk

13. How many more marmots did Daksha observe compared to Nina?

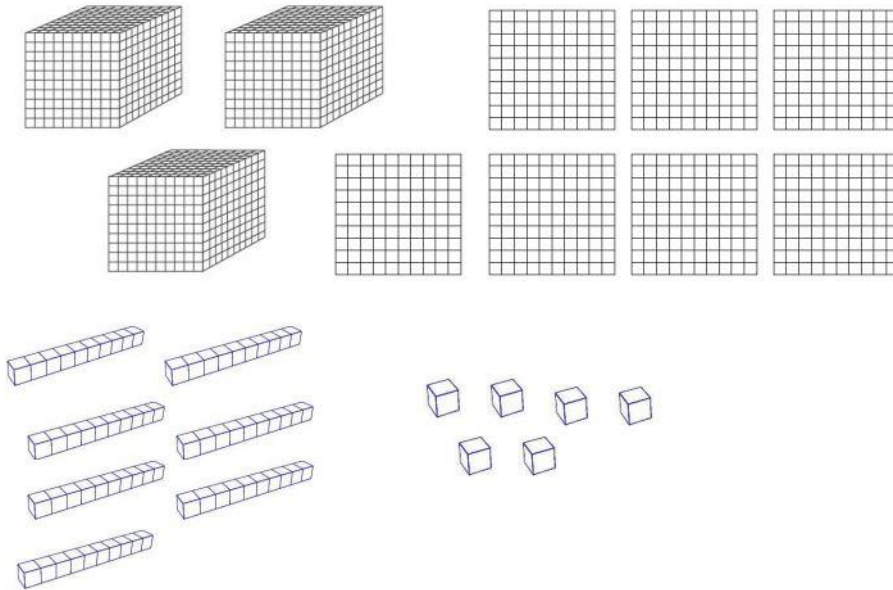
- A. 9
- B. 12
- C. 2
- D. 3

14. The total number of animals Nina observed is

- A. 46
- B. 26
- C. 20
- D. 16

NUMERIC RESPONSE

15.



The number represented by the base-ten blocks shown above is

16.

Given that $8 \times 6 = 48$,

$$48 \div 6 = \underline{\hspace{2cm}}$$

17.

Given that $7 \times 7 = 49$,

$$9 \times 7 = \underline{\hspace{2cm}}$$

18.

Given that $4 \times 7 = 28$,

$$8 \times 7 = \underline{\hspace{2cm}}$$

19.

Divide

$$72 \div 9 = \underline{\hspace{2cm}}$$

20.

Multiply

$$51 \times 23 = \underline{\hspace{2cm}}$$

21.

Multiply

$$36 \times 42 = \underline{\hspace{2cm}}$$

22.

Divide

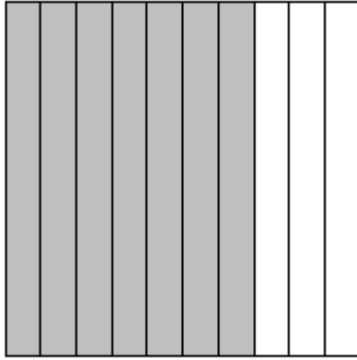
$$688 \div 2 = \underline{\hspace{2cm}}$$

23.

A bag of 114 marbles is to be shared equally among five students, with the remainder given to the Kindergarten class.

The number of marbles given to the Kindergarten class is
 .

24.



The decimal represented by the shaded portion of the **tenths** grid above is _____

25.

Add

$$0.25 + 0.94 = \underline{\hspace{2cm}}$$

26.

Add

$$0.015 + 0.724 = \underline{\hspace{2cm}}$$

27.

Subtract

$$0.94 - 0.62 = \underline{\hspace{2cm}}$$

28.

Subtract

$$0.558 - 0.410 = \underline{\hspace{2cm}}$$

29.

$$x + 8 = 12$$

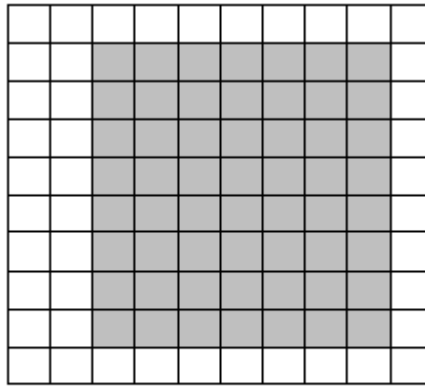
The value of x is _____

30.

$$24 - t = 15$$

The value of t is _____

31.



$$\square = 1 \text{ cm}^2$$

The area of the shaded section of the grid is _____ cm^2