

1.

Numbers	New Numbers
13	4
48	39
44	35
35	26
14	5

Ryan makes a rule to change any number to a new number. Find the rule used by Ryan, if the relationship between the original number and the new number is shown in the following table.

A

Subtracting 9 from the original number

B

Adding 9 from the original number

C

Divide by 9

D

Multiply by 9

2.

For which of the following values of  and  are the easier sentences true in the given box?



A

$$\text{blue asterisk} = 5, \text{blue cube} = 5$$

B

$$\text{blue asterisk} = 4, \text{blue cube} = 4$$

C

$$\text{blue asterisk} = 4, \text{blue cube} = 5$$

D

$$\text{blue asterisk} = 3, \text{blue cube} = 6$$

3.

Isabelle was born on January 7, 2000. How old will she be on January 7, 2034?

A

39 years

B

34 years

C

43 years

D

31 years

4.

The height of a school building is 44 feet. A student puts a flag on its roof. The height of the flag is 19 feet. Which of the following is the height of the flag from the ground?

A

68 feet

B

65 feet

C

62 feet

D

63 feet

5.



6. Mr. Zachary bought a heater, a wire role, and a screw. The heater and the wire role cost \$117.31 and \$148.14, respectively. If he paid \$388 for all the three items, the cost of the screw is \$.....

7. Is 0973 a 4-digit number? If not, write the smallest 4-digit number using these digits. Also, find the sum of both the numbers.

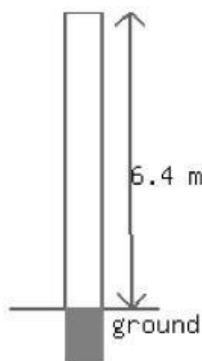
A 3079, 4052

B 0379, 1352

C 3709, 4682

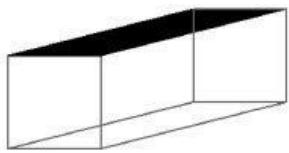
D 3079, 4070

8.
$$\begin{array}{r} 6 \ \square \ 3 \ 2 \\ - \ \square \ 2 \ \square \ \square \\ \hline 2 \ 8 \ 7 \ 2 \end{array}$$
 Fill in the empty boxes



9. If 20 cm of the pole is buried in the ground, the total length of the pole will be cm.

10.



Which one of the following faces is parallel to the shaded face in the given figure?

- A Side face
- C Bottom face

- B Back face
- D Front face