

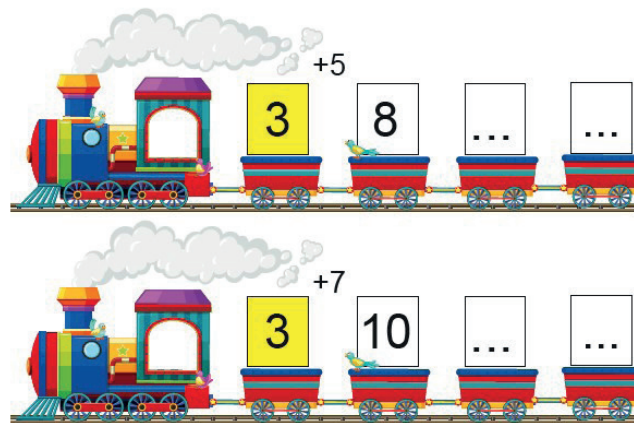
Peter, Mary, and Kate form a three-digit natural number as above with the numbers they hold in their hands. Then, the following operations are performed sequentially.

Act one: Kate and Peter switch places.

Act two: Subtract the numeric value of the number in Mary's hand from the digit value of the number in Kate's hand.

What is the result of the subtraction?

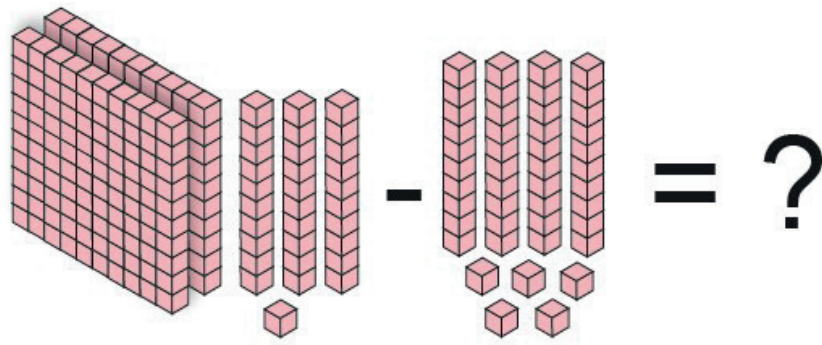
- A) 4 B) 398 C) 580 D) 598



The first carriages of the trains above have the number 3 on them. The numbers on the subsequent carriages of the first train are obtained by counting rhythmically by fives. The numbers on the subsequent carriages of the second train are obtained by counting rhythmically by sevens.

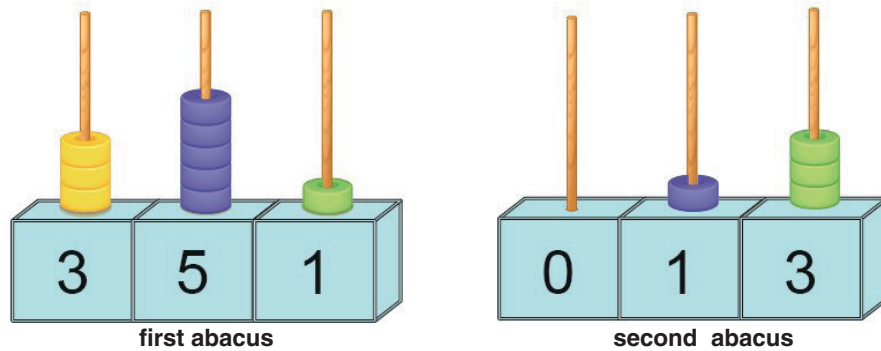
Which of the following numbers can be on carriages of both trains?

- A) 24 B) 28 C) 38 D) 59



What is the result of the operation done by using base blocks?

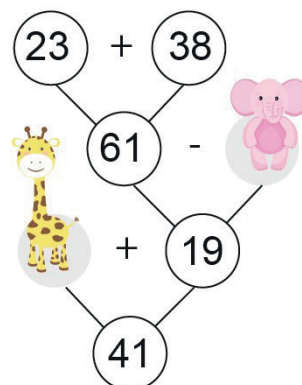
- A) 146 B) 166 C) 186 D) 206



One yellow bead is taken from the first abacus and placed on the hundreds digit of the second abacus. Then, 2 purple beads are taken from the first abacus and placed on the tens digit of the second abacus.

What is the difference between the numbers formed on these two abacuses?

- A) 98 B) 108 C) 218 D) 338



In the operation above, the elephant and the giraffe each represent a number.

What is the value of elephant + giraffe?

- A) 36 B) 41 C) 58 D) 64

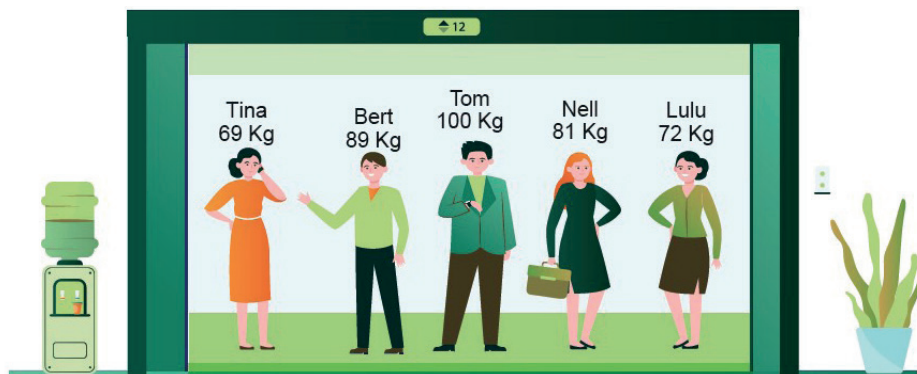


The tens digit of a two-digit number is 3 and the ones digit of another two-digit number is 9.

The difference of the first number and the second number is 17.

What is the sum of these two numbers?

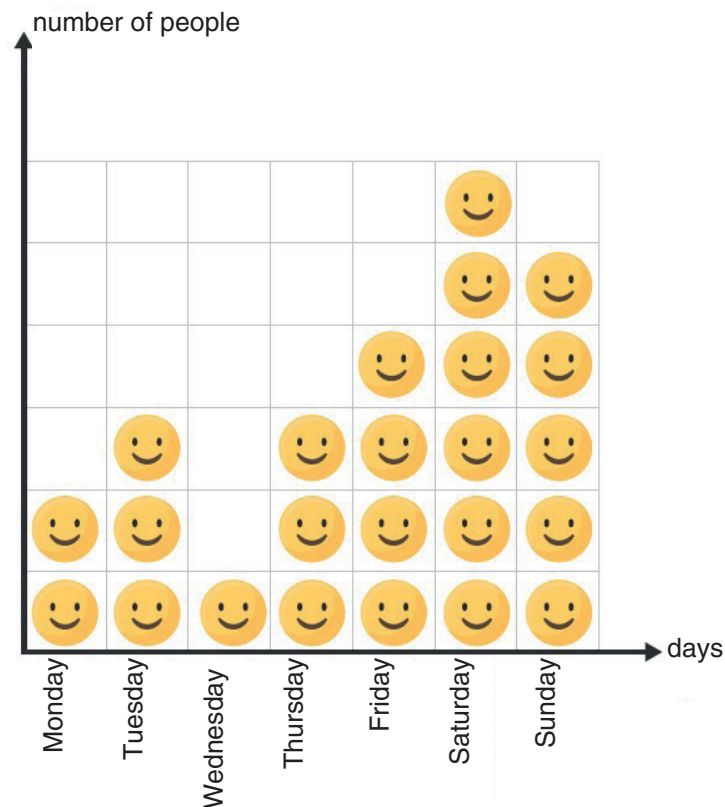
- A) 43 B) 49 C) 55 D) 59



The elevator above can carry a maximum of 240 kilograms.

Which two people should get off this elevator so that the elevator can move?

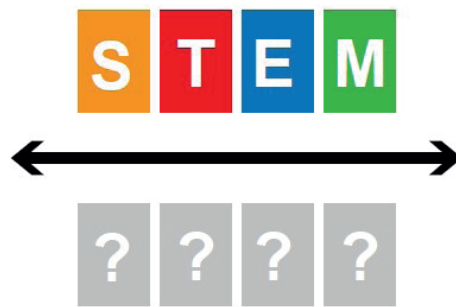
- A) Tom-Tina
B) Nell-Bert
C) Tom-Lulu
D) Nell-Tina



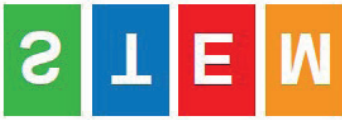



The chart above shows the distribution of the number of people visiting the amusement park during a week. 63 people visited the amusement park on Tuesday.

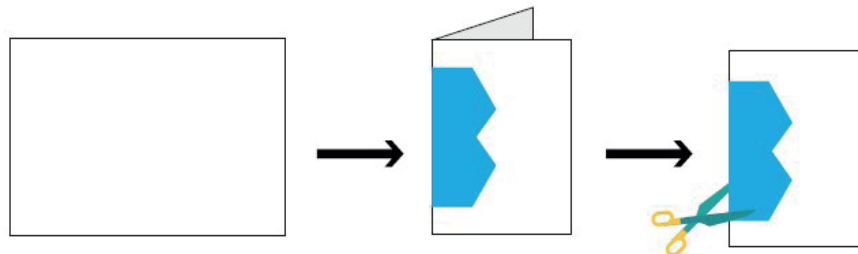
According to this, how many more people visited the amusement park on weekdays than on weekends?

- A) 21 B) 42 C) 63 D) 84







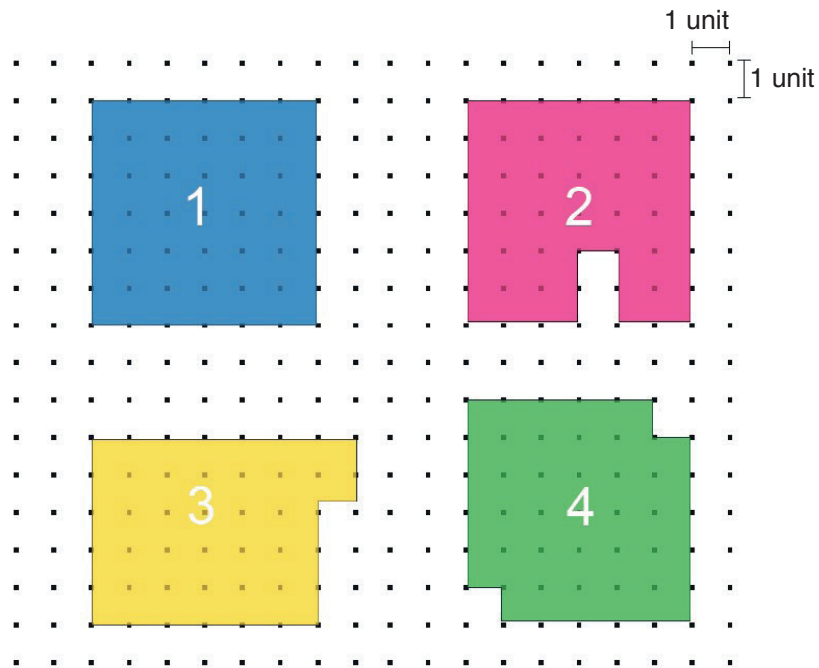
What is the symmetry of the coloured box letters above with respect to the given line?

- A) 
- B) 
- C) 
- D) 



A piece of paper is folded in half. Then the figure above is drawn and cut out. Which of the following can be the cut out paper?

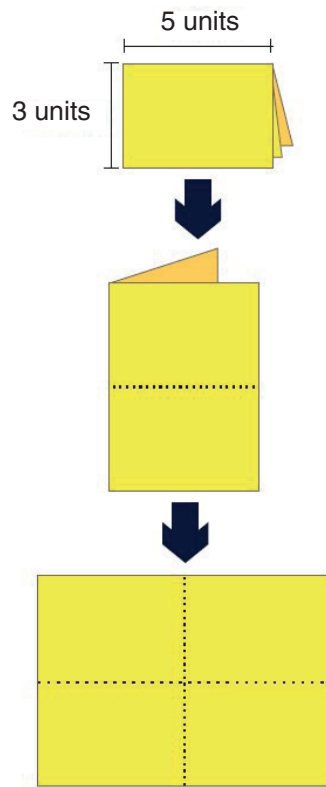
- A) 
- B) 
- C) 
- D) 



Which two shapes have equal perimeters?

- A) 1 and 2
- C) 1 and 4

- B) 2 and 3
- D) 3 and 4



The rectangular paper in the figure above has been folded into four. When the paper is folded, the side lengths are as given in the figure.

What is the perimeter when this paper is fully opened?

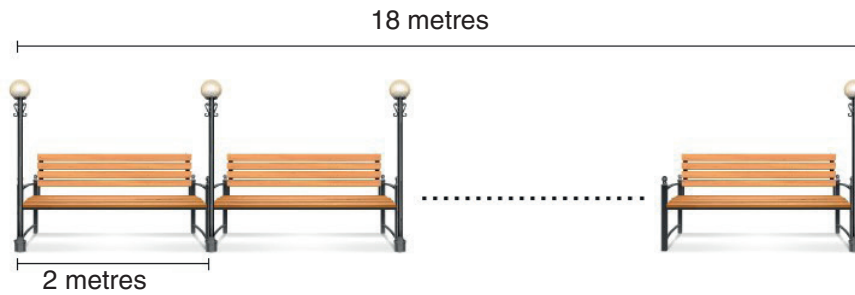
- A) 24 units
- B) 26 units
- C) 28 units
- D) 32 units



Steve buys some milk every day. He pays 5 Euros per liter. He then puts the milk into 2-liter bottles and sells them.

How many liters of milk did Steve buy on a day, if he made a total profit of 150 Euros selling each bottle of milk for 14 Euros?

- A) 50 litres
- B) 75 litres
- C) 100 litres
- D) 150 litres



Lighting systems and benches have been renewed in London Hyde Park. This new landscaping is shown in the figure above. Between the two street lamps is a 2-metre long bench.

How many street lamps were used in this landscaping?

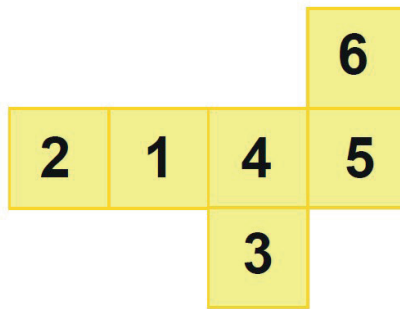
- A) 9 B) 10 C) 11 D) 18



A farm has 2 horses, 5 cows, 12 chickens and some sheep. The total number of feet of the animals on the farm is 100.

How many sheep are there on this farm?

- A) 12 B) 16 C) 18 D) 24



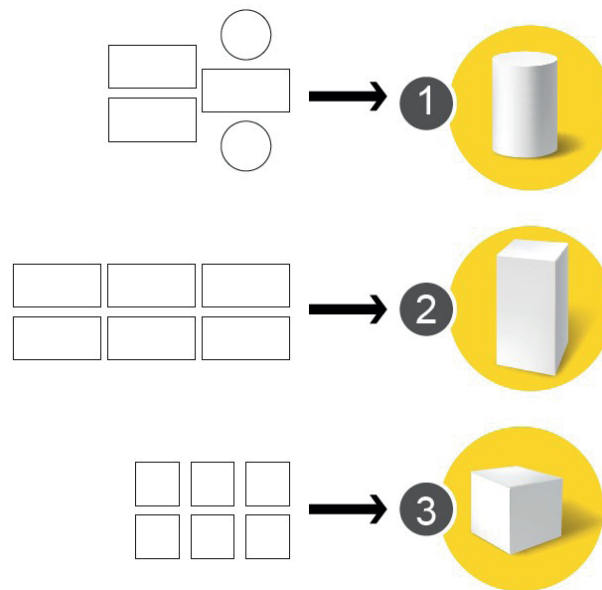
What will be the largest number to be obtained from the division of two numbers on opposite surfaces when we convert the shape given above into a cube?

- A) 2 B) 3 C) 4 D) 5

$$\begin{array}{ccc} \bigcirc & \div & \bigcirc 2 = 3 \\ \text{X} & & \text{X} \\ \bigcirc 4 & + & \bigcirc = 12 \\ \text{II} & & \text{II} \\ \text{apple} & & \text{strawberry} \end{array}$$

What numbers do apples and strawberries represent in the operations above?

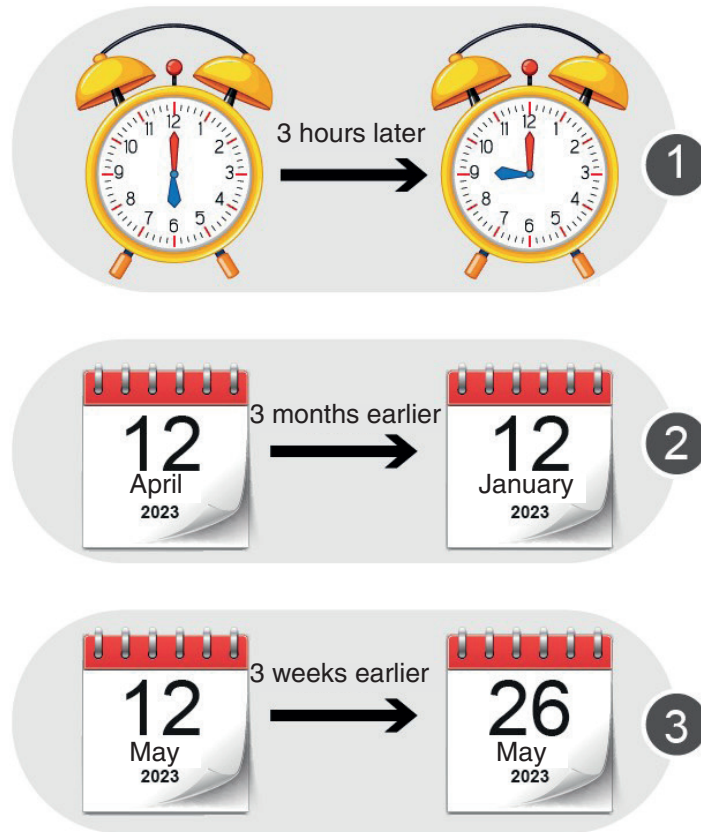
- A) apples 10, strawberries 16
B) apples 24, strawberries 12
C) apples 24, strawberries 16
D) apples 18, strawberries 14



Some geometric objects were created using planar surfaces as shown in the figure above.

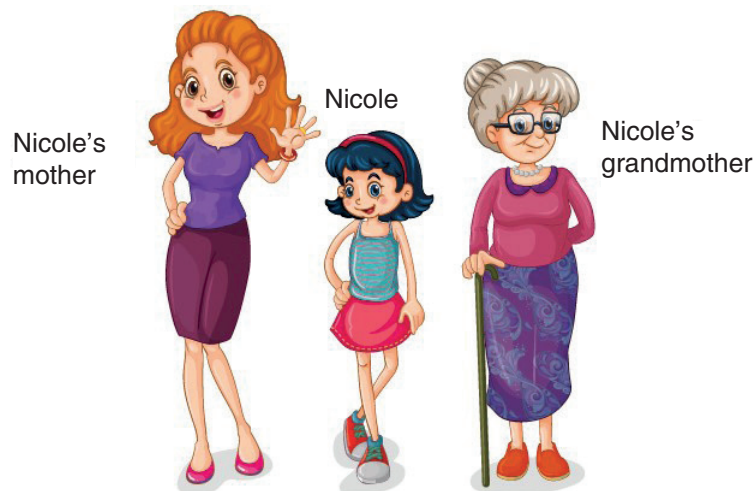
Which pairings are incorrect?

- A) Only 1
- B) Only 2
- C) 1 and 2
- D) 1, 2 and 3



Which of the pairings above is/are correct?

- A) Only 2
B) 1 and 2
C) 2 and 3
D) 1, 2 and 3



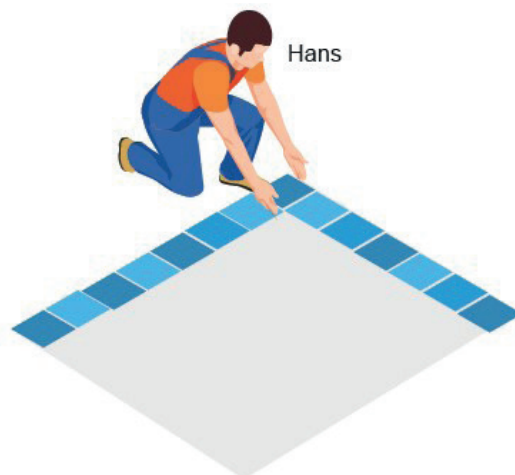
Nicole's age is equal to one-third of her mother's age. His mother's age is equal to half of his grandmother's age.

If Nicole's grandmother is 72 years old, how old is Nicole?

- A) 12
B) 13
C) 14
D) 15



Which friend was Sam with 90 minutes ago?



Hans wants to cover the floor of his warehouse with blue coloured parquets. He has already done part of the job as shown in the figure above.

How many parquets does Hans need for the whole job?

A) 42

B) 48

C) 56

D) 64



Cities	Departure time	Arrival time
Frankfurt - Hamburg	11.10	15.40
Hamburg - Essen	14.30	?

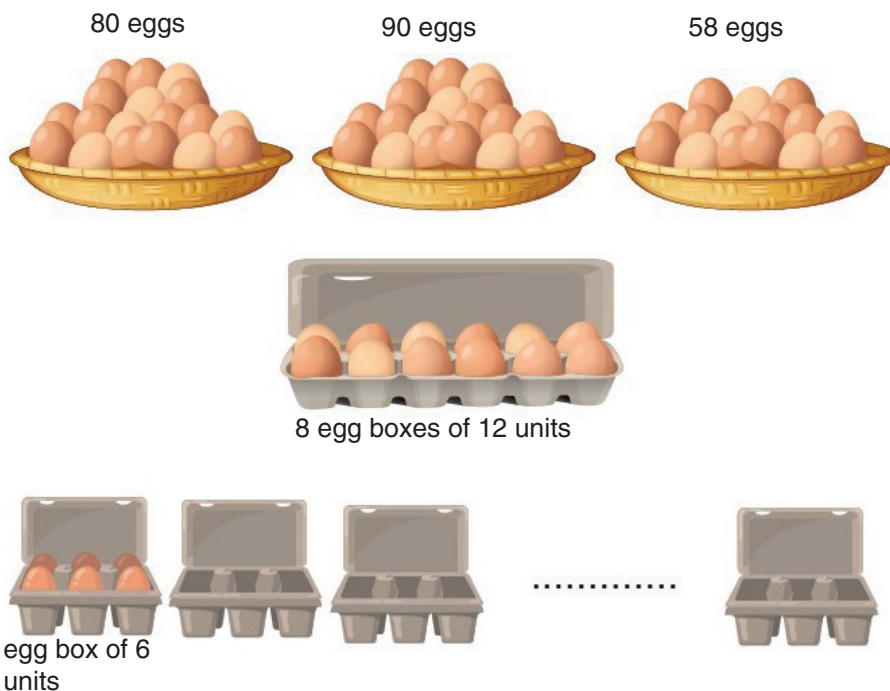
The departure and arrival times of two long-distance trains are given in the table. Given that the journey between Frankfurt-Hamburg lasts one hour longer than the journey between Hamburg-Essen, what time does the train from Hamburg arrive in Essen?

A) 16.10

B) 17.00

C) 17.30

D) 18.00



Leonardo packs some of the eggs he collects from the hen house in 8 egg boxes of 12 units. He then packs the remaining eggs in egg boxes of 6 units.

How many egg boxes does Leonardo use to pack all his eggs?

A) 22

B) 26

C) 30

D) 34



How many Euros should Kevin pay Daisy for 5 kilograms of Cucumbers, 2 kilograms of tomatoes and 2 kilograms of peppers?

- A) 20€ 2€ 2€ 2€
- B) 10€ 1€ 2€ 2€ 2€ 2€
- C) 20€ 2€ 2€ 2€ 2€ 1€
- D) 20€ 10€ 2€ 2€ 2€