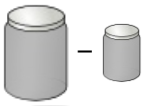
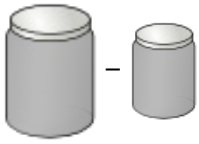
Answer the questions

(1)  = 300 grams

 = 100 grams

If the total weight of  ,  and  is 1600 grams, what is the weight of  ?

(2) If ♠ **× 3** = ♥, and

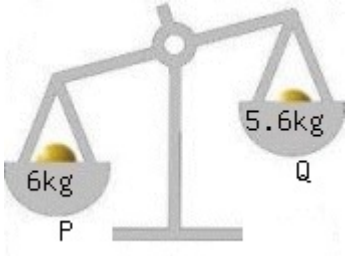
♥ **–** ♠ = 160,

then what is the value of ♥ + ♠ ?

(3) Round-off each number to nearest ten and find the product.

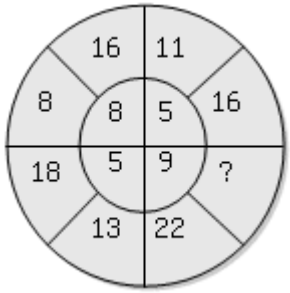
46 × 42

(4) The diagram given below shows the weights of two bags of salt.



Find the weight, in grams, of salt that should be added to the bag Q in order to balance the scale.

(5) Find the missing term.



(6) The police-station is 3 km North-West of the bank, and the airport is 3 km South-West of the bank. The airport is in which direction of the police-station?

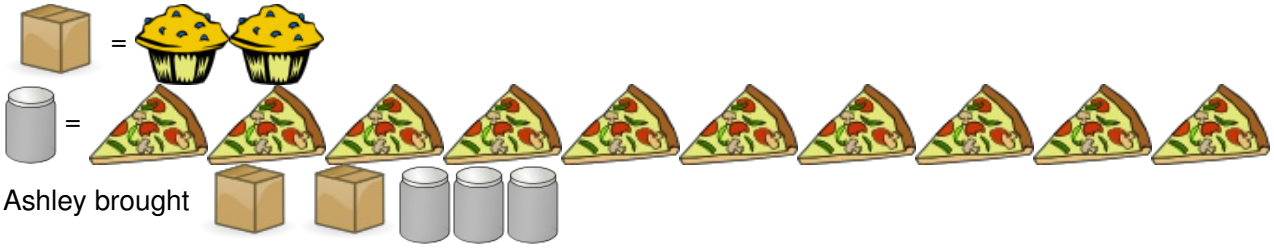
(7) Anna made the input output table given below:

Input	Output
5	30
4	24
7	42
6	36

What rule can be used to find each output number?

(8) What fraction of the following letters can be drawn using only straight lines?
U L K G N B D T S C

(9) Given,



Ashley brought

How many less muffins than pizza-slices did she buy ?

(10) Maria wrote the number sentences given below:

36 = # × 9
# × $ = 20

Both the number sentences are true. What is the value of $?

Choose correct answer(s) from the given choices

(11) Which rule can be used to explain this number pattern?
1, 1, 2, 6, 24, 120, 720, ...

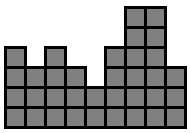
a. Add 0, then add 1, then add 2, and so on

b. Multiply by 1, then multiply by 2, then multiply by 3, and so on

c. Multiply by 4 and add 1

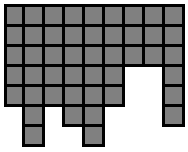
d. Multiply by 4 and subtract 1

(12) A square is broken in two pieces.

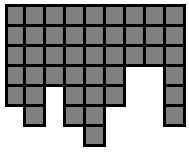


If one piece is as shown above, which is the other piece?

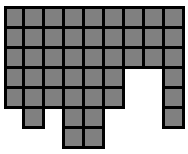
a.



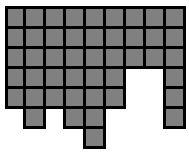
b.



c.



d.



(13) Which of the following letters has a vertical line of symmetry ?

a. J

b. A

c. B

d. None of these

(14) Find the rule for the pattern given below:

325 350 375 400 425 450

a. Counting by 10

b. Counting by 50

c. Counting by 5

d. Counting by 25

(15) Gene Golub was born on 29th February. His birthday comes:

a. once every four years

b. after every two years

c. twice in a year

d. every year

Answers

(1) 300 grams

(2) 320

(3) 2000

(4) 400 grams

(5) 13

(6) South

(7) Multiply by 6

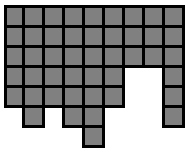
(8) $\frac{4}{10}$

(9) 26

(10) 5

(11) **b.** Multiply by 1, then multiply by 2, then multiply by 3, and so on

(12) **d.**



(13) **b.** A

(14) **d.** Counting by 25

(15) **a.** once every four years