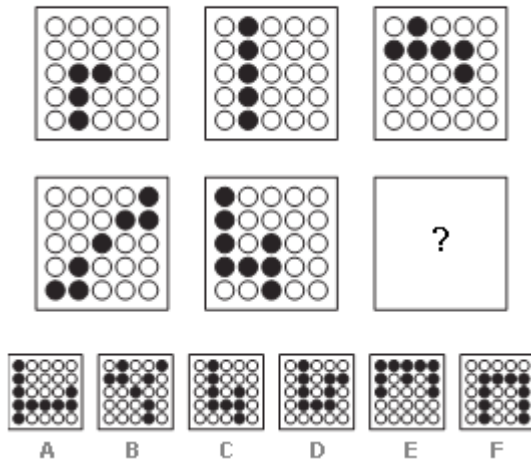


What is missing in the last grid?

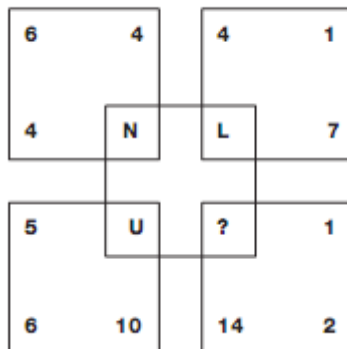


Answer : D

Explanation: The number of black dots in each grid increases by 1 each time, starting with the top left grid and working to the right, top row then bottom row.

[View Answer & Explanation](#)

Which letter replaces the question mark?

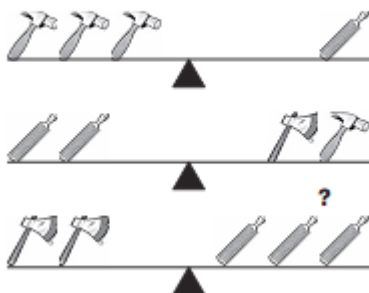


Answer : Q

Explanation: Adding the three numbers in each square together gives the numerical value of the letter at the centre of each square.

[View Answer & Explanation](#)

Which tool will make the last scale balance?



Answer : Hammer

Explanation: The Hammer = 1, the File = 3 and the Axe = 5

Which letter replaces the question mark?



Answer : U

Explanation : Multiply the numerical values of the letters in each pair to give the 3 digit result in the spaces above.

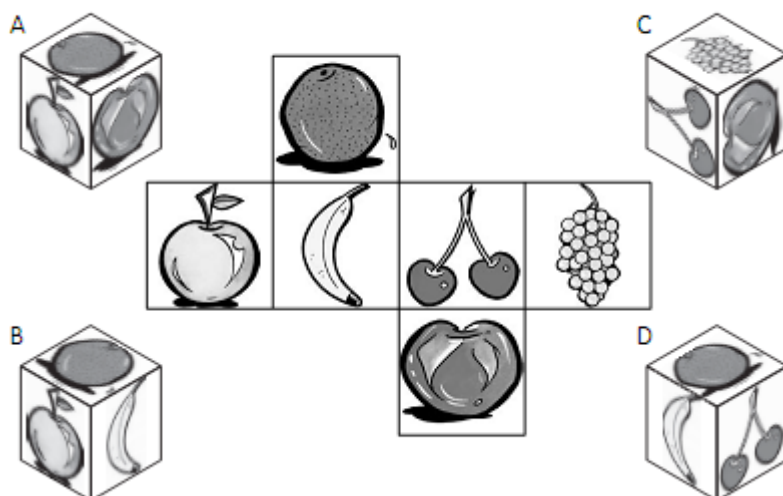
Which number replaces the question mark?

6	EJI	3
M F K		D P G
9	NRG	?

Answer : 12

Explanation: The value at each corner of the diagram equals the difference between the sums of the numerical values of the letters in the boxes adjacent to the corner.

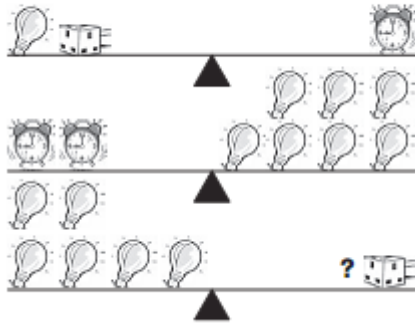
Which picture cube does this shape make?



Answer : C

Explanation : [NIL]

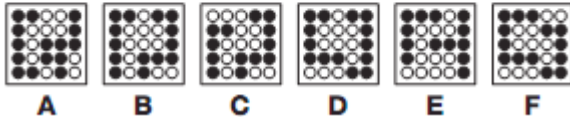
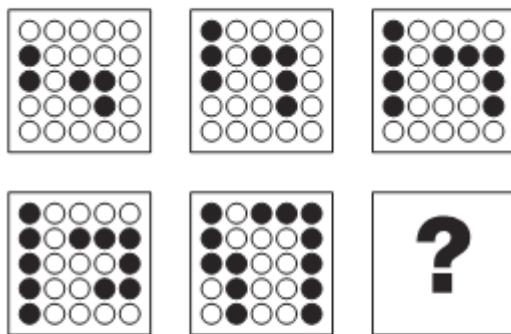
Which symbol replaces the question mark?



Answer : Alarm clock

Explanation: The Alarm clock = 7, the Adaptor = 5 and the Bulb = 2

Which grid replaces the question mark?



Answer : A

Explanation: Working from left to right, top row then bottom row, the first grid contains a sequence of 2 black dots and a sequence of 3. The next grid contains one of 3 and one of 4. Continue, adding 1 to each sequence every time.

Which number replaces the question mark?

6		1	5		1
L	P	D	J	M	C
2		4	2		3

4		4	3		2
L	T	H	O	U	F
3		2	5		?

Answer : 3

Explanation: In each diagram, the numerical value of the left hand letter equals the product of the upper and lower left hand numbers, and the right hand letter equals the product of the upper and lower right

hand numbers. The numerical value of the central letter equals the sum of the numerical values of the left and right hand letters.

Which letter replaces the question mark?

3	P	8
9	G	11
2	U	4
3	W	1
7	?	18

Answer : B

Explanation: In each row of the diagram, the reverse alphabetical value of the central letter equals the sum of the left and right hand digits.

Which letter replaces the question mark?

CB	13	AI
FE	26	IA
DH	25	BC
EB	35	H?

Answer : G

Explanation: Convert each letter to its numerical value, and read each pair of values as 2 digit numbers. In each row, the number in the centre equals the difference between the 2 digit values on the left and right.

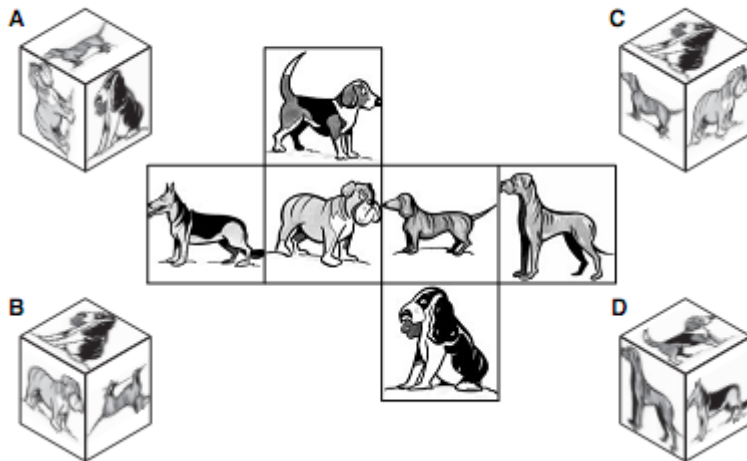
Which letter replaces the question mark?

J	O?J	V
L O S		I W L
X	DKS	B

Answer : Y

Explanation: Start in the top left hand corner and move anti clockwise around the perimeter of the square. Letters are written in alphabetical order, skipping 1 letter, then 2 letters, then 3 etc.

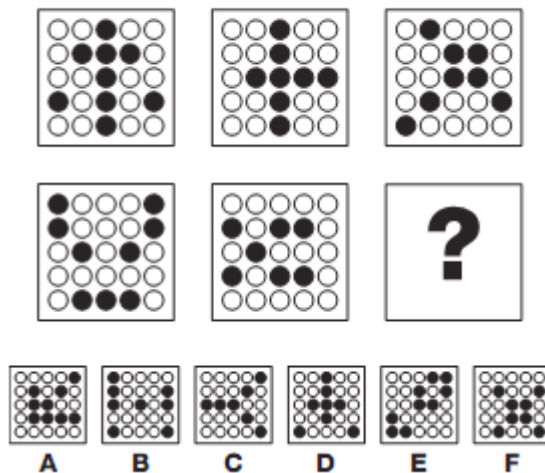
Which picture cube does this shape make?



Answer : A

Explanation : [NIL]

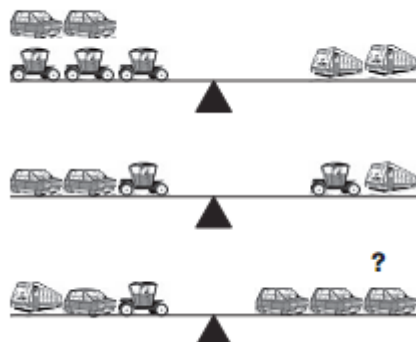
Which grid replace the question mark?



Answer : E

Explanation : In each row, the left hand grid is symmetrical around a vertical axis, the central grid is symmetrical about a horizontal axis, and the right hand grid is symmetrical about a diagonal axis, running bottom left to top right.

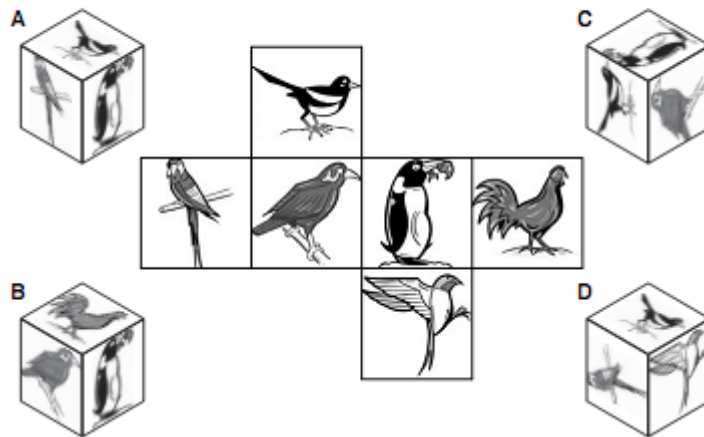
Which object is needed to make scales balance?



Answer : Carriage

Explanation : The Carriage = 2, the Car = 3 and the Bus = 6

Which picture cube does this shape make?

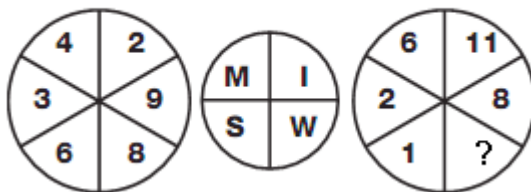


Answer : C

Explanation : [NIL]

[View Answer & Explanation](#)

Which number replaces the question mark?

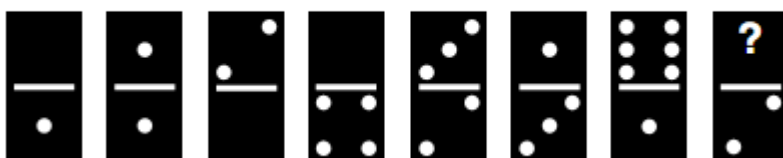


Answer : 4

Explanation : Split the left and right hand circles into 2 halves vertically. The numerical value of the letter in the upper left segment of the central circle equals the sum of the numbers in the left half of the left hand circle, and the letter in the lower left equals the sum of the numbers in the right half of the left hand circle. Repeat this pattern for the right hand circle.

[View Answer & Explanation](#)

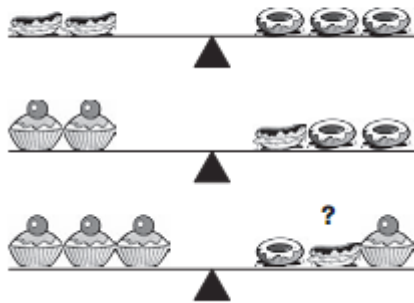
How many number of dots replaces the question mark?



Answer : 3

Explanation : Starting on the left and working to the right, take pairs of dominoes and calculate the sum of the dots they are displaying. This sum follows the sequence 3, 6, 9 and 12.

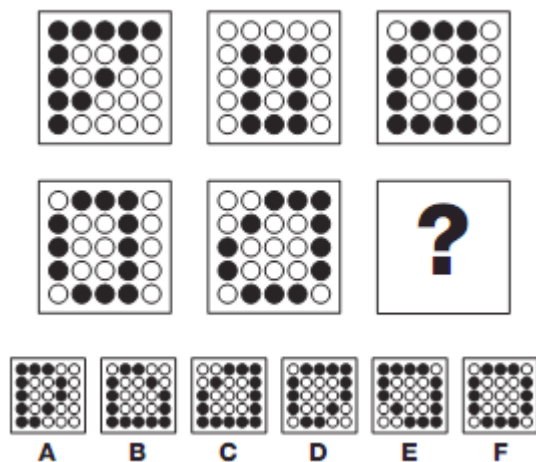
Which symbol is needed to balance the bottom scale?



Answer : Doughnut

Explanation : The Doughnut = 4, the Eclair = 6 and the Bun = 7.

Which segment replaces the question mark?



Answer : F

Explanation : In each diagram, the black circles join together to make straight sided polygons. Working from left to right, top row then bottom row, the number of sides in each polygon increases by 1 each time, from 3 to 8.

Which letter replaces the question mark?

N	252	R
T	500	Y
Y	400	P
K	132	L
G	182	?

Answer : Z

Explanation : In each row, multiply the numerical values of the left and right hand letters, putting the result in the centre.

Which letter replaces the question mark?

E		B	D		A
9	3	6	9	4	3
A		H	B		C

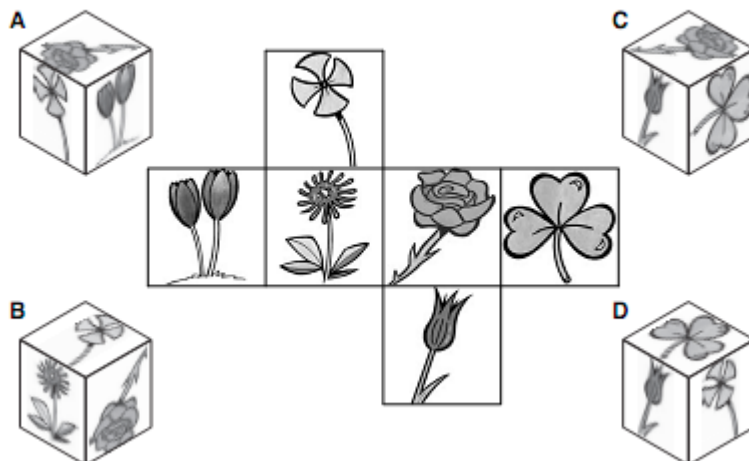
B		E	A		G
9	7	5	6	1	2
C		I	C		?

Answer : F

Explanation : In each diagram, convert each letter to its numerical value, and read the top and bottom pairs of letters as complete 2 digit values. Multiply these values together to give the 3 digit result written in the centre spaces.

[View Answer & Explanation](#)

Which picture cube does this shape make?

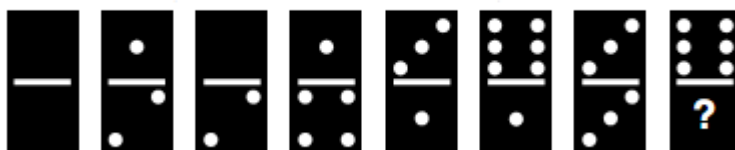


Answer : C

Explanation : [NIL]

[View Answer & Explanation](#)

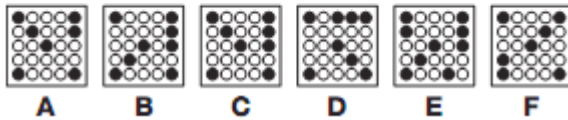
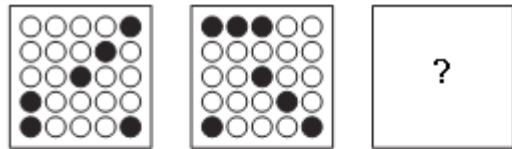
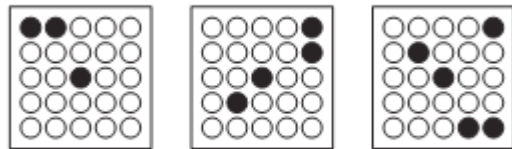
Which number replaces the question mark?



Answer : 3

Explanation : As you move from left to right, the spot total on each domino increases by 3 then decreases by 1 alternately.

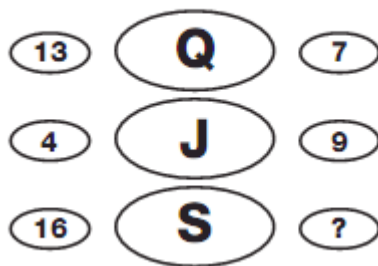
What is grid replaces question mark?



Answer : B Grid

Explanation : Working in rows, left to right, top row then bottom, one black circle is added each time, with the positions of the circles moving (1/4) turn clockwise each time.

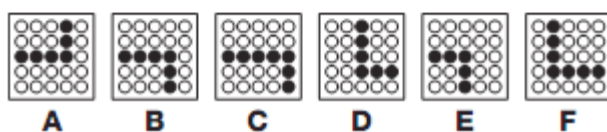
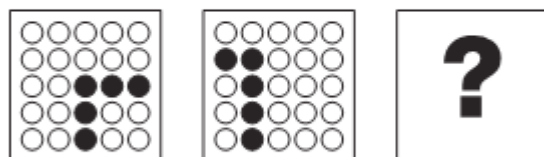
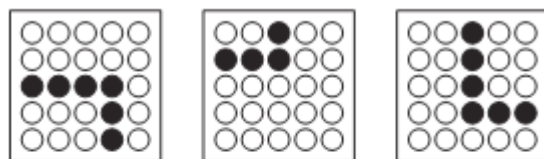
Which number replaces the question mark?



Answer : 6

Explanation : In each row of the diagram, the numerical value of the middle letter equals the sum of the left and right hand numbers, subtracting 3.

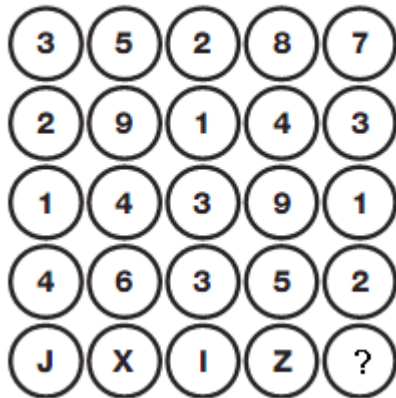
Which grid replaces the question mark?



Answer : A

Explanation : In each diagram, there are 2 lines of black dots, joining two sides together. The sides joined by the dots moves $\frac{1}{4}$ turn clockwise as you move from left to right.

Which letter replaces the question mark?



Answer : M

Explanation : In each column, add up each number and put the letter with this sum in the bottom circle.

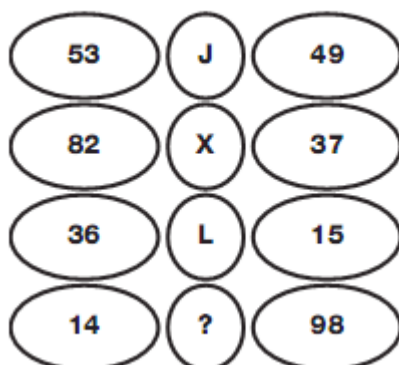
Which number replaces the question mark?

6	FKM	24
12	LUC	24
20	IRB	9
4	DGQ	24
34	PJH	?

Answer : 0

Explanation : In each row, the left hand number equals the total of the even valued letters in the middle box, and the right hand number equals the total of the odd valued letters in the middle box.

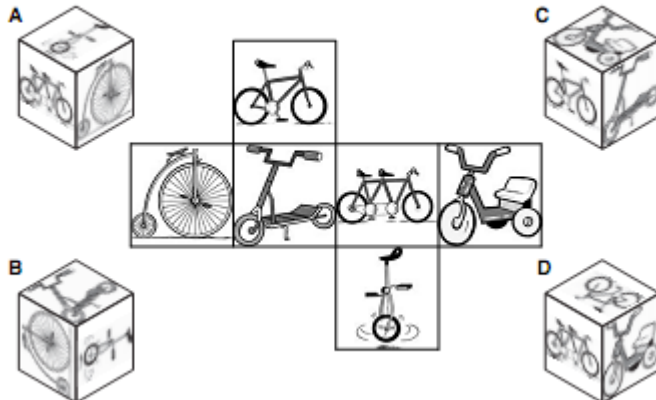
Which letter replaces the question mark?



Answer : C

Explanation : In each row, calculate the difference between the 2 numbers in the left hand column, and the 2 numbers in the right hand column. Multiply these differences together to give the numerical value of the letter in the centre.

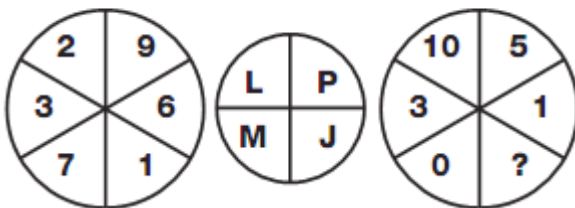
Which picture cube does this shape make?



Answer : B

Explanation : [NIL]

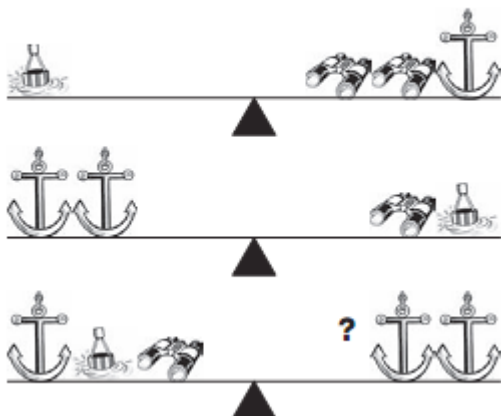
Which number replaces the question mark?



Answer : 4

Explanation : Split the left and right hand circles in half vertically. The letter with the numerical value of the sum of the digits in the left half of the left hand circle is placed in the top left segment of the central circle, and the letter with the numerical value of the sum of the digits in the right half of the left hand circle is placed in the top right segment of the central circle. Repeat this formula for the 2 halves of the right hand circle, putting the resulting letters in the lower segments of the central circle.

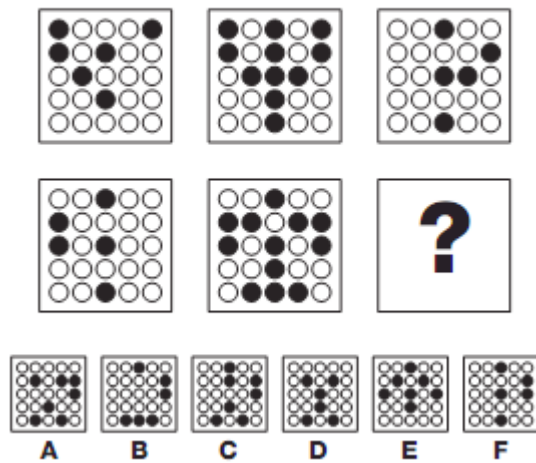
Which symbol is needed to make the scale balance?



Answer : Anchor

Explanation: The Binoculars = 1, the Anchor = 3 and the Buoy = 5

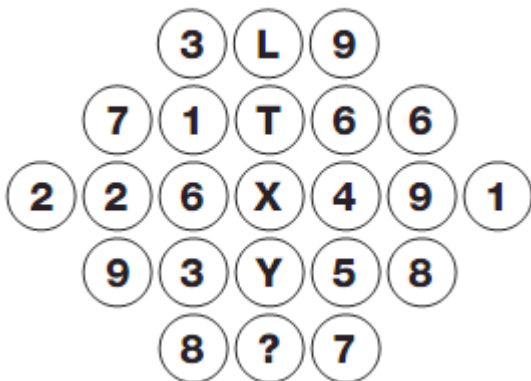
Which grid replaces the question mark?



Answer : A

Explanation: Working in rows, if you superimpose the pattern of spots in the left and right hand grids you get the pattern in the central grid.

Which letter replaces the question mark?



Answer : O

Explanation: Working in rows, add up the digits in each row and put the letter with this numerical value in the centre of the row.

Which number replaces the question mark?

3	GNQ	8
3	RBS	9
4	TUA	2
2	FPC	5
3	OLH	?

Answer : 5

Explanation : In each row, add together the numerical values of the 3 central letters to give a 2 digit sum, and put this 2 digit sum in the left and right hand boxes at the end of the rows.

Which letter replaces the question mark?

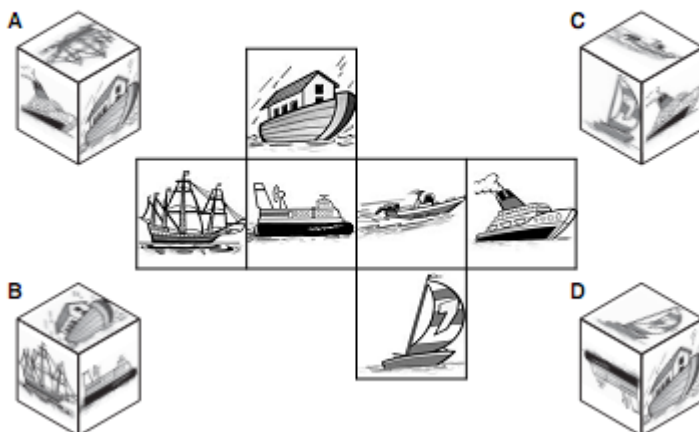
9	L	6
3	S	5
11	G	9
4	J	13
3	?	8

Answer : P

Explanation : Working in rows, add the left and right hand numbers together, and put the letter with the reverse alphabetical value of this sum in the central box.

[View Answer & Explanation](#)

Which picture cube does this shape make?

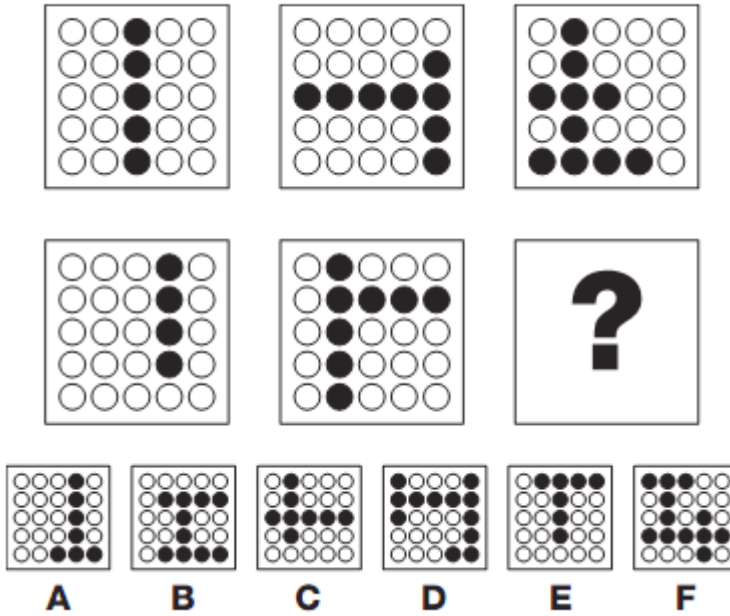


Answer : B

Explanation : [NIL]

[View Answer & Explanation](#)

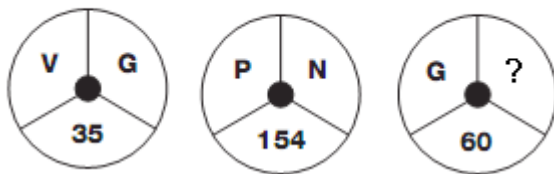
Which grid replaces the question mark?



Answer : B

Explanation : In each row, the left hand grid contains one line of black dots, the central one contains 2 lines and the right hand one contains 3 lines.

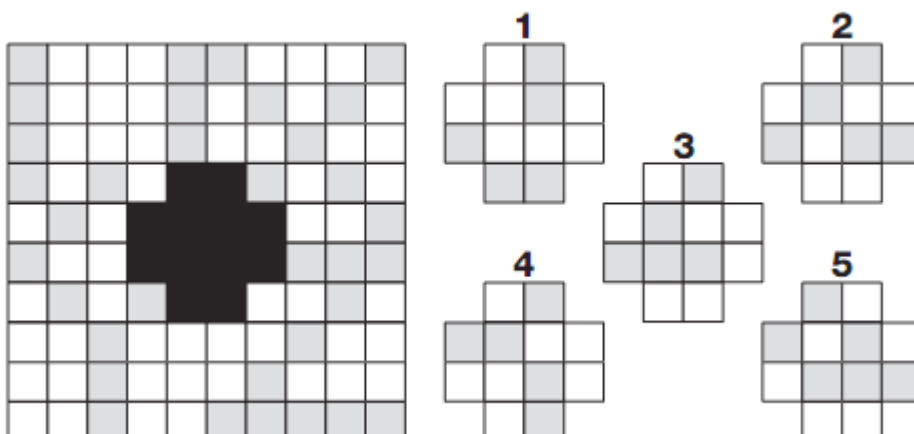
Which letter replaces the question mark?



Answer : C

Explanation : In each circle, multiply the inverse alphabetical value of the upper left hand letter by the regular alphabetical value of the upper right hand letter to give the value in the lower segment.

Which segment fills the gap to complete puzzle?



Answer : 5

Explanation: Splitting the diagram in half both horizontally and vertically, each quarter contains a pattern of black squares, representing the letters W, X, Y and Z.