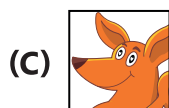


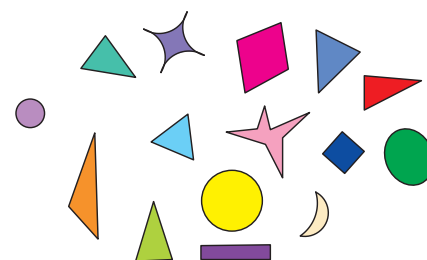
- (A)** 2 **(B)** 3 **(C)** 4 **(D)** 5 **(E)** 6



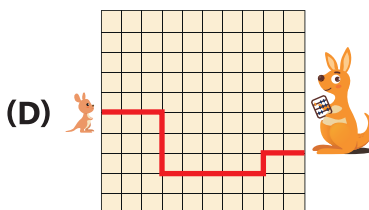
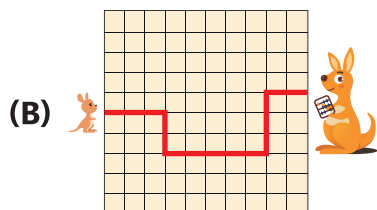
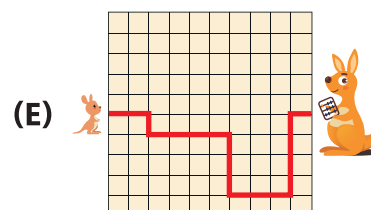
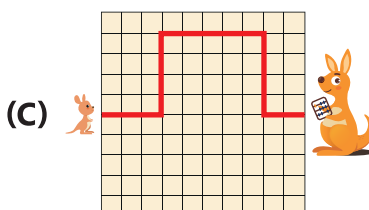
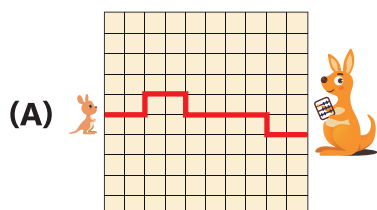
-
- A 2x2 grid with a question mark in the top-left cell and a cartoon fox in the bottom-right cell.



- (A) 2 (D) 5
 (B) 3 (E) 6
 (C) 4



- WHICH PATH IS THE SHORTEST?



05. HOW MANY PENCILS ARE SHOWN IN THE PICTURE?

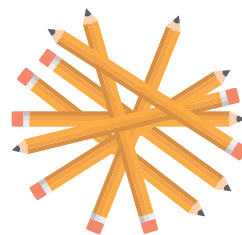
(A) 7

(D) 14

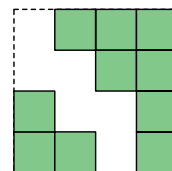
(B) 8

(E) 16

(C) 9



06. A LARGE SQUARE IS FORMED FROM 16 SMALL SQUARES OF THE SAME SIZE. THEN SOME OF THE SMALL SQUARES ARE REMOVED. HOW MANY SMALL SQUARES ARE MISSING?



(A) 4

(B) 5

(C) 6

(D) 7

(E) 8

07. ON MICHAEL'S TOY SHELF, THERE ARE NO TURTLES, NO RABBITS AND NO ROBOTS. WHICH OF THESE SHELVES COULD BE MICHAEL'S SHELF?

(A)



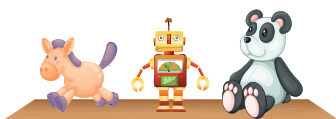
(C)



(E)



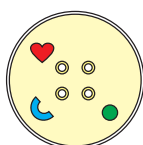
(B)



(D)

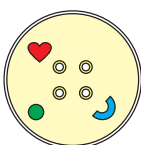


08. ALL THE BUTTONS ON CAROLA'S SWEATER LOOK LIKE THIS.

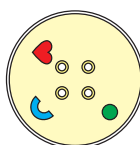


WHICH ONE OF THESE BUTTONS COULD BE FROM HER SWEATER?

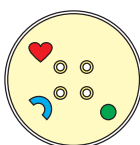
(A)



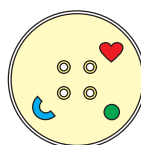
(B)



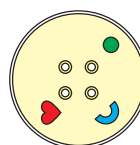
(C)



(D)



(E)



4 POINTS PROBLEMS

09. TWO RUBBER BANDS ARE PLACED AROUND A STACK OF 18 CUBES. HOW MANY OF THE CUBES ARE **NOT** TOUCHING A RUBBER BAND?

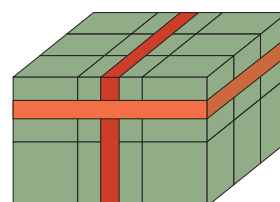
(A) 6

(B) 8

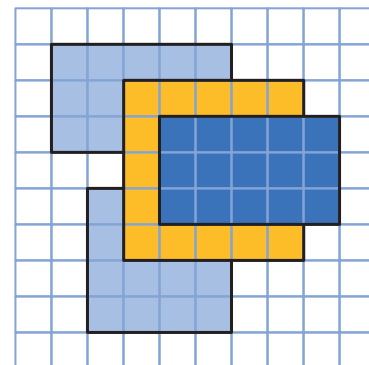
(C) 9

(D) 10

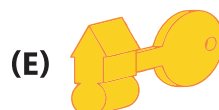
(E) 12



10. A FLOOR IS COVERED IN SQUARE TILES. THERE ARE 4 RECTANGULAR MATS ON THE FLOOR, AS SHOWN. IN TOTAL, HOW MANY TILES HAVE 3 MATS ON TOP OF THEM?



11. WHICH OF THESE KEYS FITS THE LOCK SHOWN IN THE NOTCH IN THE PICTURE?



12. A DOG HAS 2 PUPPIES THAT WEIGH THE SAME. THE FIRST PICTURE SHOWS THAT THE DOG AND 1 PUPPY TOGETHER WEIGH 14 KILOGRAMS. THE SECOND PICTURE SHOWS THAT THE DOG AND BOTH PUPPIES TOGETHER WEIGH 18 KILOGRAMS.



HOW MUCH DOES THE DOG WEIGH WITHOUT THE PUPPIES?

- (A) 9 KILOGRAMS. (D) 12 KILOGRAMS.
 (B) 10 KILOGRAMS. (E) 13 KILOGRAMS.
 (C) 11 KILOGRAMS.
13. THERE WERE 12 PIECES OF FRUIT ON THE TABLE. VERA REMOVED 2 PEARS, 4 APPLES AND HALF OF THE ORANGES. NOW THERE ARE ONLY ORANGES LEFT ON THE TABLE. HOW MANY ORANGES ARE LEFT?

- (A) 1 (B) 2 (C) 3 (D) 4 (E) 6

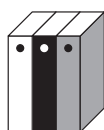
14. THERE ARE 12 STUDENTS IN A LINE. COUNTING FROM THE LEFT, WARREN IS FIFTH IN THE LINE. COUNTING FROM THE RIGHT, VICTOR IS FOURTH IN THE LINE.



HOW MANY STUDENTS ARE BETWEEN WARREN AND VICTOR?

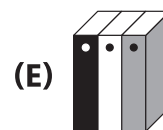
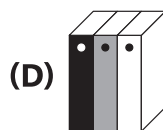
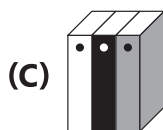
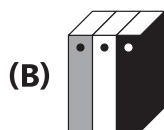
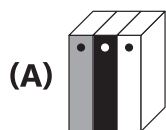
- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5

15. THERE WERE THREE BOOKS ON MARY'S SHELF, AS SHOWN IN THE PICTURE.

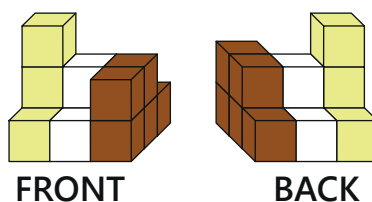


FIRST, MARY SWAPPED THE WHITE BOOK AND THE GREY BOOK. THEN MARY SWAPPED THE GREY BOOK AND THE BLACK BOOK.

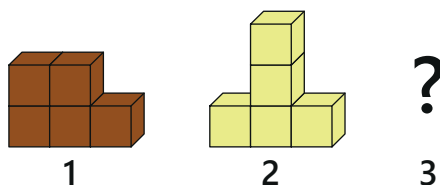
HOW ARE HER BOOKS ARRANGED NOW?



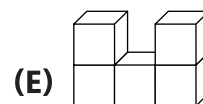
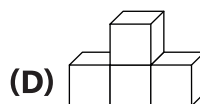
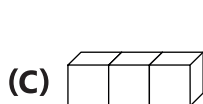
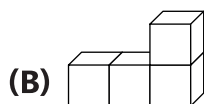
16. THE PICTURES BELOW SHOW THE FRONT AND BACK OF AN OBJECT BUILT FROM COLOURED CUBES:



THE OBJECT IS DIVIDED INTO THREE PIECES. TWO OF THE PIECES ARE SHOWN BELOW.



WHICH OF THESE IS THE THIRD PIECE?



5 POINTS PROBLEMS

17. THE BEADS ON A STRING ALTERNATE BETWEEN BLACK AND WHITE.



EACH BLOCK HIDES FIVE BEADS. HOW MANY WHITE BEADS ARE HIDDEN IN TOTAL?

- (A) 5 (B) 6 (C) 7 (D) 9 (E) 10
18. ANN BUYS 3 CHOCOLATE BARS. TOM BUYS 5 CHOCOLATE BARS. THEY EACH PAID THE SAME PRICE FOR EACH CHOCOLATE BAR. TOM PAID 8 EURO MORE THAN ANN. WHAT IS THE COST OF 1 CHOCOLATE BAR?
- (A) 1 EURO. (B) 2 EURO. (C) 3 EURO. (D) 4 EURO. (E) 5 EURO.
19. CHARLES HAS 5 WOODEN TOYS, AS SHOWN IN THE PICTURE.



THE PICTURE ALSO DISPLAYS THEIR WEIGHTS IN GRAMS. HE PICKS 2 PAIRS OF TOYS SO THAT THE PAIRS WEIGH THE SAME.

WHICH TOY WAS **NOT** PICKED?

- (A) (B) (C) (D) (E)

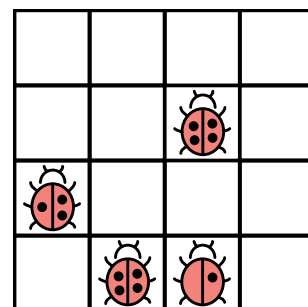
20. THREE YEARS AGO, THE SUM OF ANA'S AGE AND BEN'S AGE WAS 6 YEARS. ANA IS CURRENTLY 7 YEARS OLD. HOW OLD CAN BEN BE NOW?
- (A) 1 YEAR. (D) 10 YEARS.
(B) 5 YEARS. (E) 11 YEARS.
(C) 9 YEARS.

21. EACH LADYBIRD STICKER HAS 1, 2, 3 OR 4 DOTS.



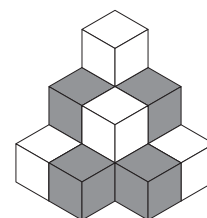
AMIT WANTS TO FILL THE GRID WITH STICKERS SO THAT IN EACH ROW AND IN EACH COLUMN THERE ARE LADYBIRDS WITH DIFFERENT NUMBERS OF DOTS.

WHEN AMIT IS FINISHED, WHAT WILL THE TOP ROW OF THE GRID LOOK LIKE?



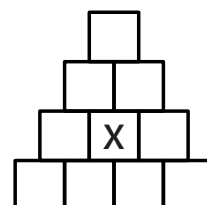
- (A) (C) (E)
 (B) (D)

22. THERE ARE 13 CUBES STACKED IN THE CORNER OF A ROOM. EACH IS COLOURED GREY OR WHITE. DIRECTLY BELOW EACH GREY CUBE IS A WHITE CUBE, AND DIRECTLY BELOW EACH WHITE CUBE IS A GREY CUBE. HOW MANY WHITE CUBES ARE IN THE STACK?



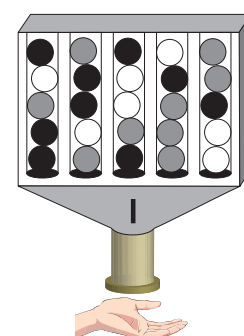
- (A) 4 (B) 6 (C) 7 (D) 8 (E) 9

23. INGRID DECIDES TO PAINT EACH SQUARE IN THE SHAPE SHOWN SO THAT SQUARES PAINTED THE SAME COLOUR DO NOT TOUCH. SHE PAINTS 4 SQUARES RED, 3 SQUARES BLUE, 2 SQUARES GREEN AND 1 SQUARE YELLOW. WHICH COLOUR DID SHE PAINT THE SQUARE MARKED WITH THE X?



- (A) RED (D) YELLOW
 (B) BLUE (E) IMPOSSIBLE TO KNOW.
 (C) GREEN

24. EACH TIME A COIN IS PUT IN THE MACHINE, A BALL DROPS. THIS BALL CAN FALL FROM ANY OF THE FIVE TUBES, BUT IT MUST BE THE BOTTOM BALL. WHAT IS THE SMALLEST NUMBER OF COINS BAHAR MUST HAVE TO BE SURE THAT SHE WILL GET A WHITE BALL?



- (A) 6 (D) 12
 (B) 10 (E) 15
 (C) 11