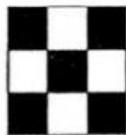


ARITMATIKA, GEOMETRI, DAN ALJABAR

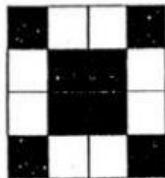
- Find the number A such that the following statement is true:

$$5 \times 10 + 6 \times 10 = 11 \times A$$
- A bag contains a total of 15 balls of 5 different colours. Each colour has a unique number of balls in the bag. What is the least number of balls to be picked (without looking) to ensure three different coloured balls are picked?
- In the following pattern, how many black squares are there in the 19th image?

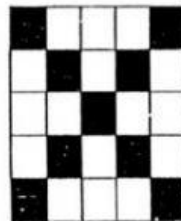
1st Image



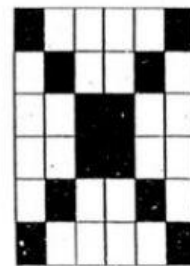
2nd Image



3rd Image



4th Image



- What is the next number in the following pattern
 $1, 3, 11, 123, ?$
- ABCD is a square park where $AB = 100$ m. The shaded area represents grass and the solid areas represent congruent squares of concrete. If $EF = 5$ m, what is the ratio of the area covered by grass to the area covered by concrete?

