

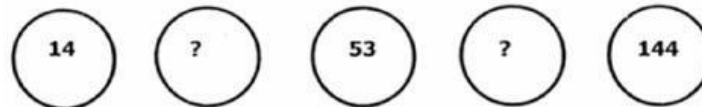
1. Find the number Y such that the following statement is true:

$$5 \times 10 + 6 \times 10 = 11 \times Y$$

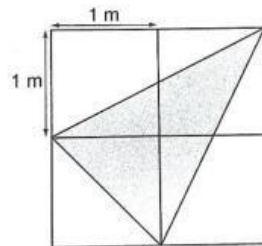
2. Alan runs at a rate of 100 meters per 15 seconds. At this rate, how much distance will he cover in 15 minutes? Give your answer in kilometres.
3. Given $C > 0$, for how many values of B is the given product valid?

$$\begin{array}{r} \text{AA} \\ \times \text{CB} \\ \hline \text{BB} \\ \text{CC0} \\ \hline \text{C5B} \end{array}$$

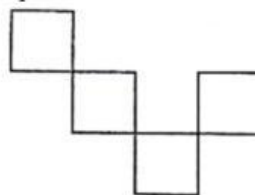
4. Find the missing number and complete the number pattern.



5. There were 17 pieces of paper. Some of them were cut into four parts. Altogether, there are now 32 pieces of paper. How many pieces were cut into four parts?
6. The figure below is made up of 4 squares, each of side 1 m. Find the area of the shaded triangle.

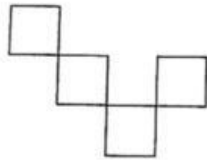


7. A hall measures 47 m by 63 m. Mr Toh wants to tile the floor of the hall. If 1 m^2 tile cost \$32, how much will it cost Mr Toh to tile the floor of the hall?
8. The figure below is made up of squares.



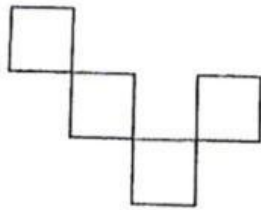
- a. What is the smallest number of such squares that must be added to the figure to make a rectangle?

..... more squares

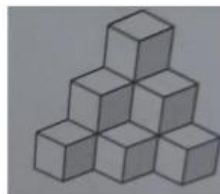


- b. What is the smallest number of such squares that must be added to the figure to make a square?

..... more square



9. Cubes of the same size are stacked in the corner of a box. How many cubes are there?



10. How many cubes of edges 2 cm can be cut from a cuboid measuring 18 cm by 16 cm by 10 cm?

