



**Name:**

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**PLEASE NOTE:**

- Answer the questions on the question sheet.
- Fill in your answer in the block provided.
- The teacher may explain the instructions to the learners.
- You may answer this paper in pairs or on your own.
- You may not use a calculator.
- **Read the questions carefully!**
- Enjoy it!



**CASIO**

1. Calculate:

$$\begin{array}{r} 3258 \\ + 4784 \\ \hline \end{array}$$

2. Cody's family can eat 40 sandwiches in 3 days. How many sandwiches do they eat in 12 days?

3. Which figure has one more side than a square?

- a) a circle    b) a pentagon    c) a triangle    d) a rectangle    e) a parallelogram

4. Zola read 20 short stories, each 10 pages long. Larry read 10 books, each 50 pages long. How many more pages did Larry read than Zola?

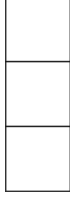
5. I have 96 marbles. I divide them equally into 6 bags. How many marbles in total, will 3 bags contain?

6. What fraction of the day is 240 minutes?

7. A race began at 3:43 p.m. and ended at 5:57 p.m. the same day. At what time was the race half over?

8. I am thinking of a number. When I subtract 20 from 4 times my number, the result is 100. What was the number I was thinking of?

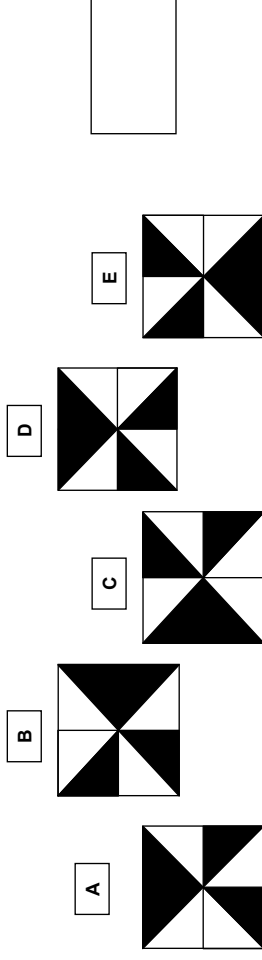
9. If the perimeter of each small square is 8 cm, what is the perimeter of the figure below (it contains 3 squares)?




10. What is the unit's digit of  $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 2$ ?

11. If the sum of two consecutive odd numbers is 1000, what is the smaller of the two numbers?

12. A figure is rotated (but not flipped over) and shown below in different positions. Which figure is different to the others? [Write either A, B, C, D or E in the block on the right].




13. Three dice are rolled and the top numbers are multiplied together. Their product is 90. What is the sum of the three numbers?

14. A rich old man keeps his money in a large room. Everyday his money doubles. If it took only 30 days for the room to be completely full, how many days would it have taken for the room to be  $\frac{1}{4}$  full?



15. I think of a 2-digit number on a calculator. When I write it upside down it increases in value by 21. Which number was I thinking of?

16. Andy, Barry, Colin, Debbie, and Eddie entered a contest to guess how many beans were in a jar. Andy guessed 30, Barry guessed 28, Colin guessed 29, Debbie guessed 25, and Eddie guessed 26. Two were wrong by 1, one was wrong by 4, one was wrong by 3, but one was correct. How many beans were in the jar?

17. A 30-year-old man married a 25-year-old woman. She died at age 50 and her husband was so sad that he cried for years. Ten years after he stopped crying, he died. If he had lived to be 80, for how many years would he have been a widower (a man whose wife had died)?

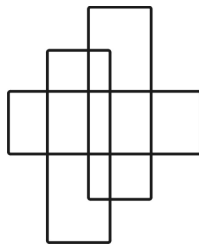
18. I am thinking of a whole number that is less than 100. It is both a multiple of 3 and also a multiple of 5. It is an odd number and the sum of its digits is also odd. What is the whole number I am thinking of?

19. How many of each animal did Moses take onto the Ark?

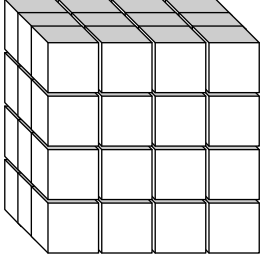
20. Start with any square in the figure below and write its number down. Now you may move **one** square up, down, left or right (but **NOT diagonally**). With every square you visit, the number is then written down and the path continues until every square has been visited. No square may be visited more than once. What is the largest number that can be made?

1	7	2
9	4	6
5	8	3

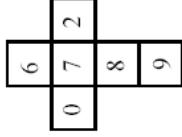
21. How many rectangles of different sizes are in the picture below?




22. If the whole structure below was painted red, how many blocks would have **no** paint on them?




23. The faces of a number cube are labelled as shown below. What are the chances of rolling an even number? [Write either A, B, C, D or E in the block on the right].




- (A)  $\frac{1}{3}$  (B)  $\frac{4}{6}$  (C)  $\frac{1}{6}$  (D)  $\frac{3}{6}$  (E)  $\frac{1}{7}$

24. You are running in a race at school. If you overtake the person coming second, what position would you now be in the race?




25. A frog is at the bottom of a well that is 8m deep. When he climbs up the walls, he can climb up 3m during the day but at night he slips back 2m. After how many days will he be able to climb out of the well?




**BONUS (FOR THOSE WHO FINISH EARLY AND HAVE CHECKED THEIR ANSWERS)**

Write down the numbers from 1 to 6 into the 6 circles in the figure below. You may only write each number once. Every line of 3 circles (sides of the triangle) must add up to 9.

