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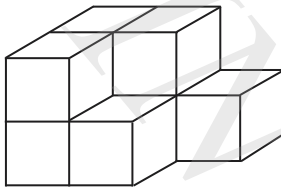**Get the results you want!**

TEST B

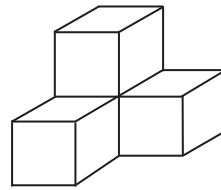50 min

⓫ VOLUME OF CUBE AND CUBOID (ADVANCED)

Section A (5 x 2 marks)
Choose the correct answer for each question and write its number in the bracket provided. You are _not_ allowed to use a calculator.
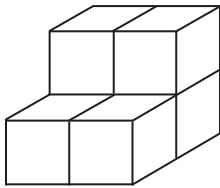
1. Which two of the following solid figures can be fitted to form a cuboid?
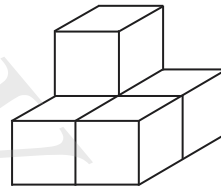
A

B

C

D

(1)   A and B
(3)   C and D
(2)   B and C
(4)   B and D

(   )

2. Which of the following can hold the greatest volume of water?
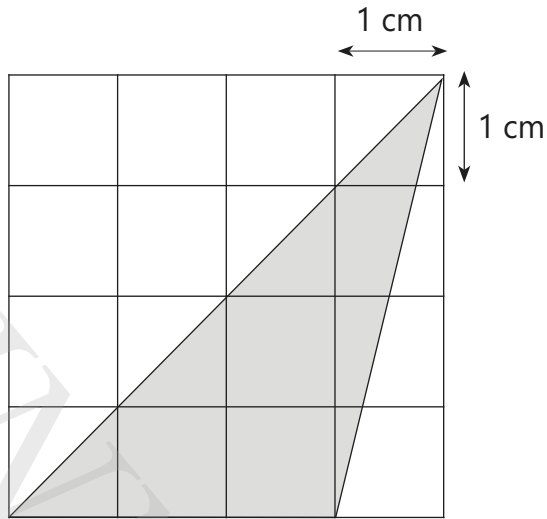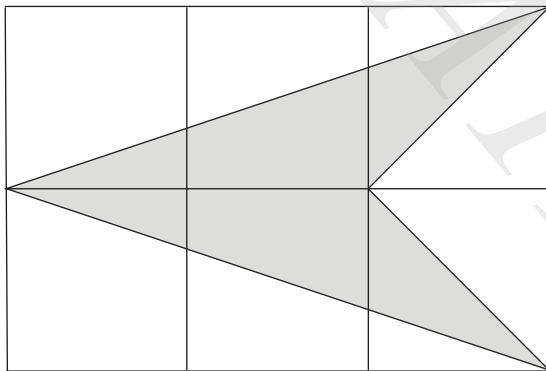
(1)   A cubical container of edge 9 cm
(2)   A rectangular tank measuring 11 cm by 10 cm by 9 cm
(3)   A jug of capacity 900 cm^3
(4)   A 1-litre mug

(   )

7. On the grid below, draw a triangle that has $\frac{1}{2}$ the area of the shaded triangle.

1 cm

1 cm

8. The figure below consists of squares of side 4 cm. Find the area of the shaded parts.

cm²

Section C (5 x 4 marks)

Do the sums. Show your working clearly. <u>You are allowed to use a calculator</u>.

11. Samuel bought a printer and a cartridge at a discount of 20%. However, part of the receipt was torn. What was the total amount he paid for the two items inclusive of GST?

RECEIPT	
Printer	$215.00
Cartridge	$35.00
Discount 20%	
GST 7%	
Total	

12. Simon paid $135 for some boxes of chocolates. If he was given a discount of 20%, he would be able to buy 3 more boxes of chocolates with the amount of money saved. What was the discounted price of each box of chocolates?