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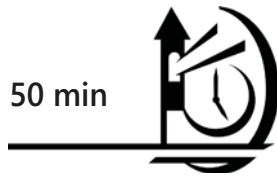


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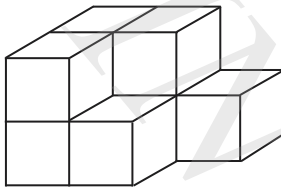


11 VOLUME OF CUBE AND CUBOID (ADVANCED)

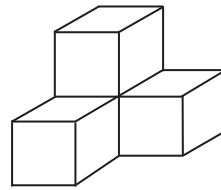
Section A (5 x 2 marks)

Choose the correct answer for each question and write its number in the bracket provided. You are not allowed to use a calculator.

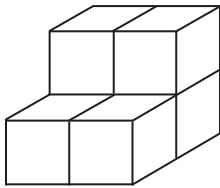
1. Which two of the following solid figures can be fitted to form a cuboid?



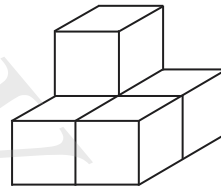
A



B



C



D

- (1) A and B
(3) C and D

- (2) B and C
(4) B and D

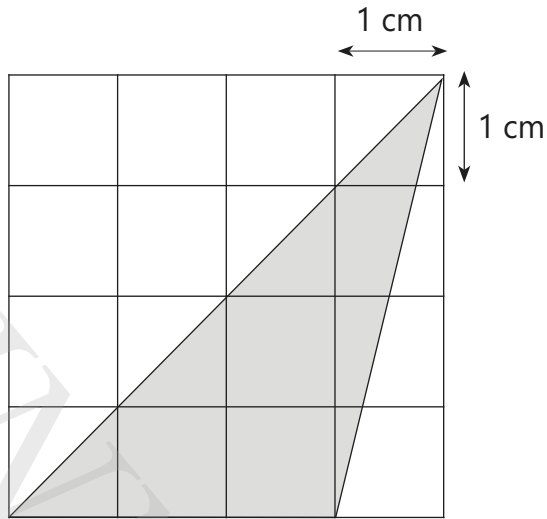
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2. Which of the following can hold the greatest volume of water?

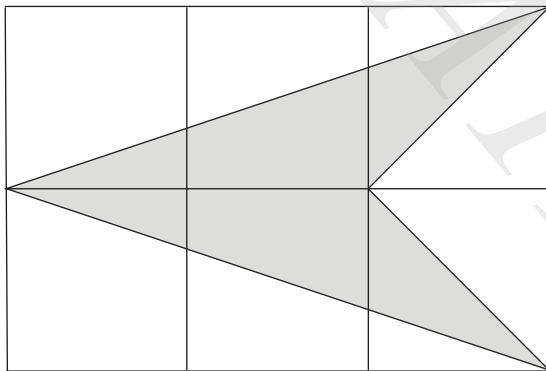
- (1) A cubical container of edge 9 cm
(2) A rectangular tank measuring 11 cm by 10 cm by 9 cm
(3) A jug of capacity 900 cm^3
(4) A 1-litre mug

()

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



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. You are allowed to use a calculator.

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?