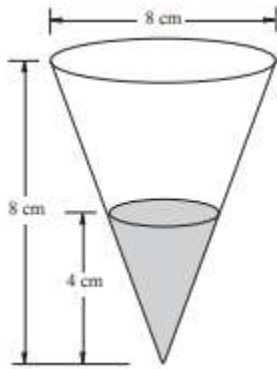


HOLIDAY PACKAGES TEST S1 25/6/2025

1. A coat is priced at 5400 FRW. During a sale , 2400 FRW is allowed as a Discount . what percentage Discount was allowed on the sale price of coat? / 3 marks
2. Diagram below shows a conical salt – shaker which contain some salt. Calculate the volume of the salt required to fill the shaker / 7 marks



3. Share the following quantities
 - a. 235000 FRW In the ratio 1:4
 - b. 5 tones in the ratio 2:3:5
4. Find the simple interest , when 28000 FRW is invested for 3 years at 5% p.a
5. The selling price for wardrobe is 192000 FRW. A discount of 20% is allowed for each payments. Calculate the marked price /4 marks
6. Find the inverse function of $f(x) = 3x^2 + 2$ / 4 marks
7. Find the simple interest earned when 24000 frs is invested for 3 years at 8% p.a / 5 marks
8. Given set $Z = \{-6 \text{ to } 15\}$. Draw a venn diagram showing the subsets/ 5 marks
 - E= even numbers
 - D= odd numbers
 - P= prime numbers
9. Solve and represent the solution on numberline
 - a. $2(x-1) + 1(x+2) > 0$
 - b. $-x-4 < -2$
10. Calculate the volume of cone of 2 cm radius.

END!!!!!!