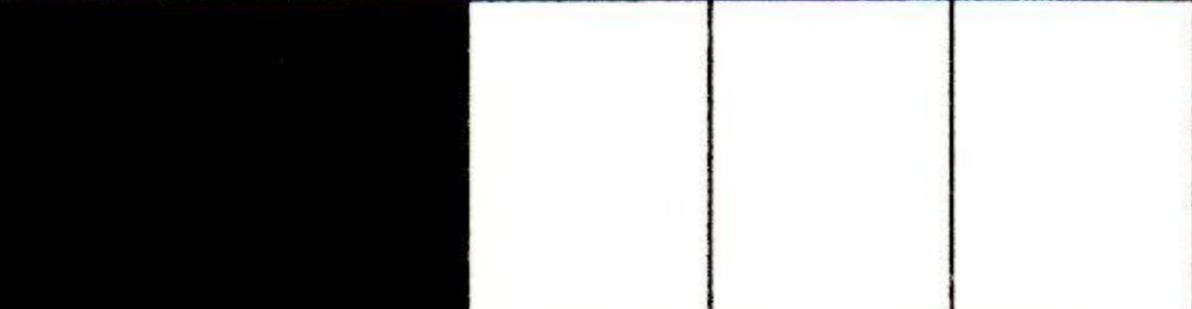
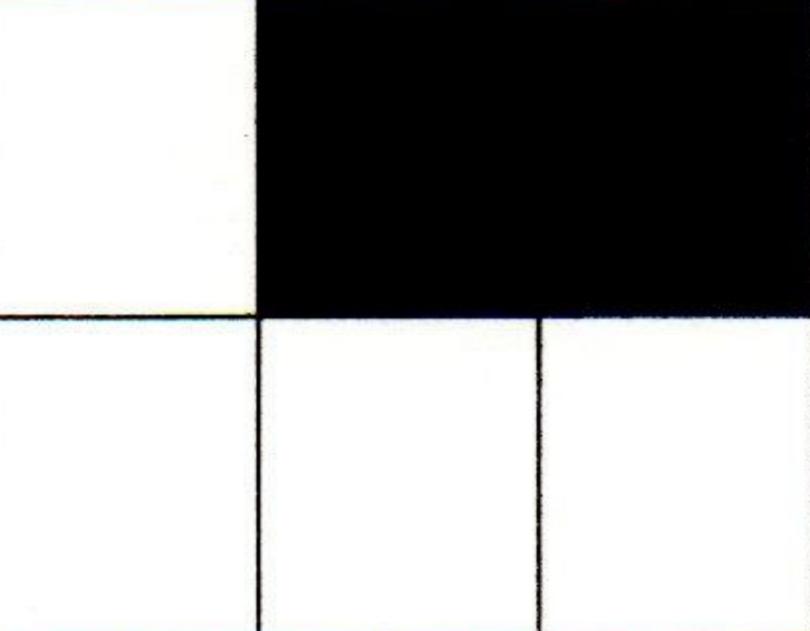
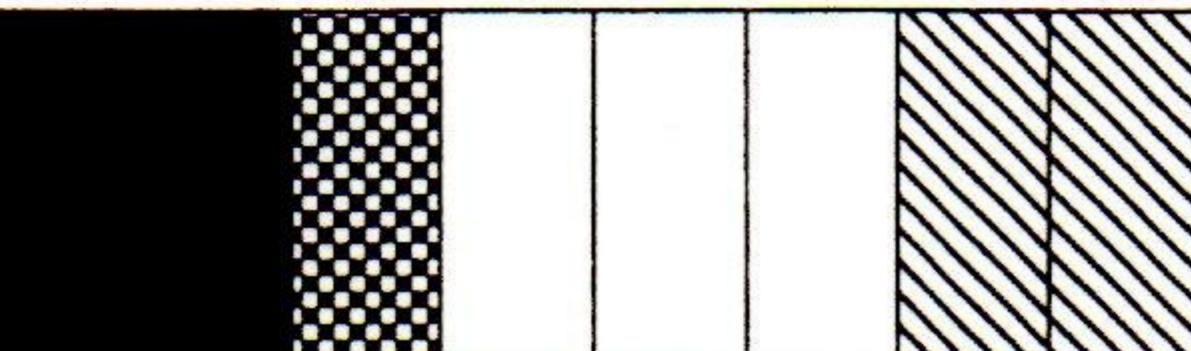
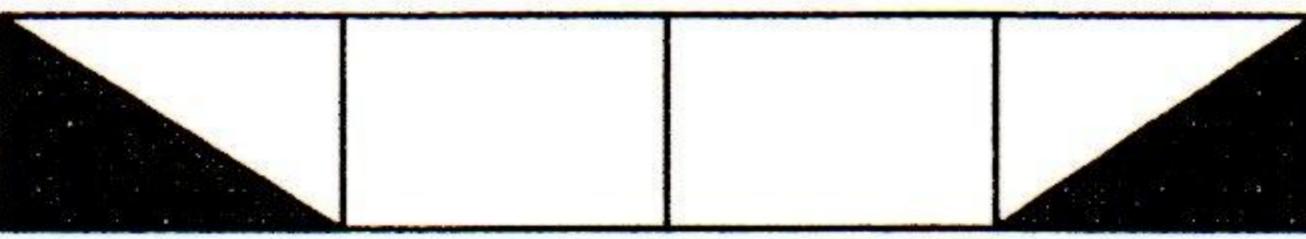


Shapes and fractions

What fraction of shape:

1. shaded?	
2. unshaded?	
3. shaded?	
4. unshaded?	
5. shaded?	
6. gridded?	
7. diagonal?	
8. unshaded?	
9. shaded and diagonal?	
10. shaded?	
11. unshaded?	
12. shaded?	
13. unshaded?	

Sarah takes these chocolates in a day:

$$\begin{array}{c} \text{[Shaded rectangle]} \\ 1 \end{array} + \begin{array}{c} \text{[Shaded rectangle]} \\ 1 \end{array} + \begin{array}{c} \text{[Shaded rectangle]} \\ \frac{1}{4} \end{array} = 2 \frac{1}{4}$$

Change into vulgar form: $1 + 1 + \frac{1}{4} = 2 \frac{1}{4} = (2 \times 4 + 1)/4 = 9/4$

Add the chocolates that:

14. Sam eats

15. Zara eats

16. Peter eats

Normal fraction: The fraction of the form: $\frac{2}{3}, \frac{1}{2}, \frac{1}{5}, \frac{1}{4}, \frac{3}{4}, \dots$

Mix fraction: The fraction of the form: $3 \frac{1}{2}, 5 \frac{1}{4}, 6 \frac{3}{4}, \dots$

Vulgar fraction: The fraction of the form: $\frac{7}{3}, \frac{8}{7}, \frac{11}{4}, \frac{27}{11}, \dots$

Convert mix fraction into vulgar fraction:

Exp: $4 \frac{1}{4} = (16/4 + 1/4) = \frac{17}{4}$ or $\frac{(4 \times 4 + 1)}{4} = \frac{(16 + 1)}{4} = \frac{17}{4}$:

17. $3\frac{1}{8}$ _____

18. $4\frac{2}{7}$ _____

19. $6\frac{7}{8}$ _____

20. $9 \frac{3}{8}$ _____

21. $4 \frac{2}{3}$ _____

22. $1 \frac{6}{7}$ _____

23. $7 \frac{3}{11}$ _____

Convert vulgar fraction into mix fraction:

Exp: $\frac{17}{4} = (16 \div 4) + \frac{1}{4} = 4 \frac{1}{4}$

Convert the following vulgar fraction into mix fraction:

24. $\frac{29}{5}$ _____

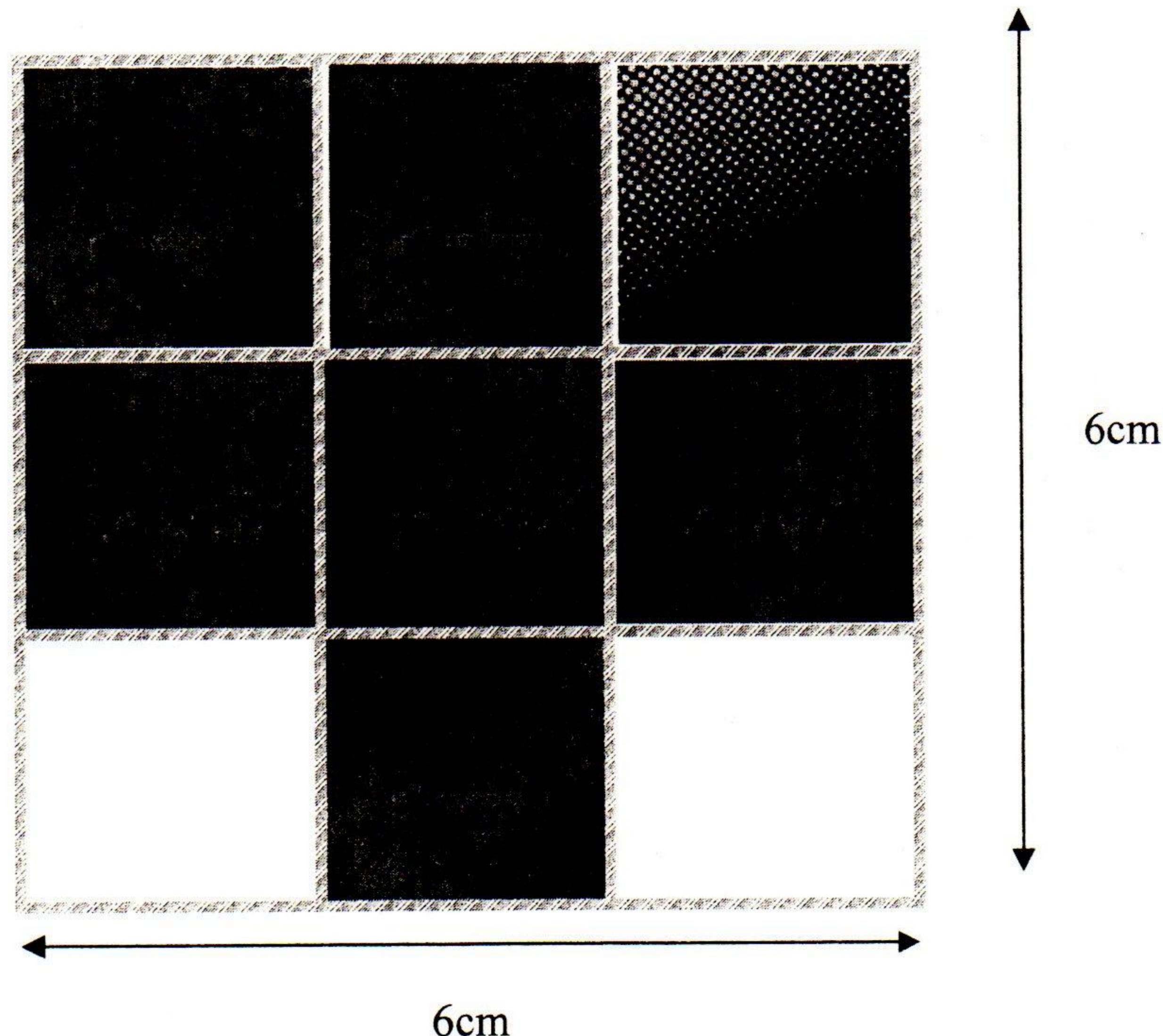
25. $\frac{16}{3}$ _____

26. $\frac{48}{11}$ _____

27. $\frac{29}{7}$ _____

28. $\frac{34}{13}$ _____

The diagram below is the floor of a shop where different tiles are used.



29. what fraction is plain region? _____
30. what fraction is cross tiled style? _____
31. what fraction is flower style? _____
32. what fraction is dotted style? _____
33. what fraction is flower and cross tiled region? _____

Area of floor is 36cm^2 , what is the area of:

34. tiled region? _____
35. flower tiled region? _____
36. crossed tiled region? _____
37. dotted region? _____
38. plain region? _____