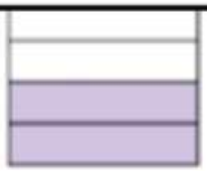
Worksheet -16 Subject: - Mathematics Class: - VII Teacher: - Ms. Neeru

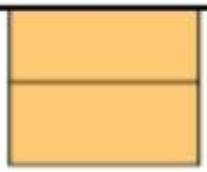
Name: _____ Class & Sec: _____ Roll No. _____ Date:26.05.2020

Pictorial representation of Fractions

Ex)

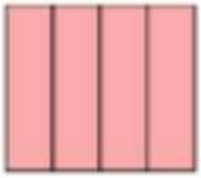


1)



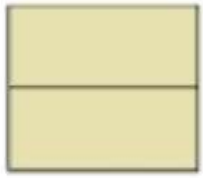
2)

3)



4)

5)



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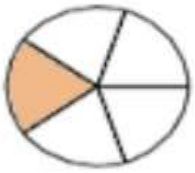
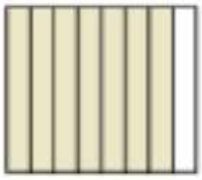
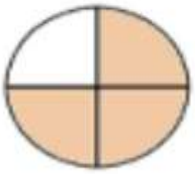


7)



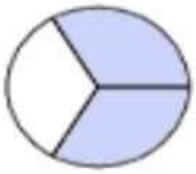
8)

9)

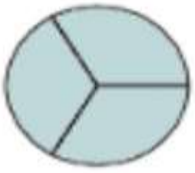


10)

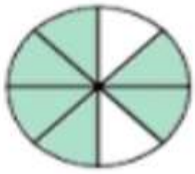
11)



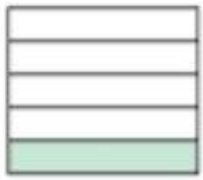
12)



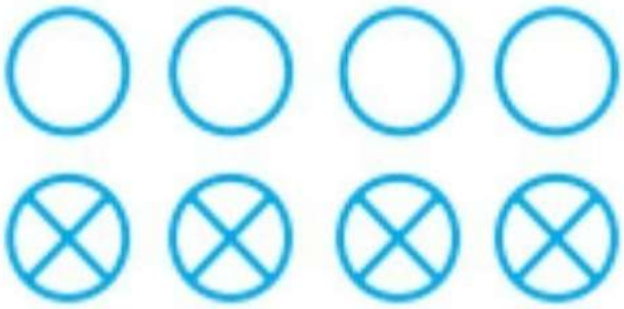
13)



14)



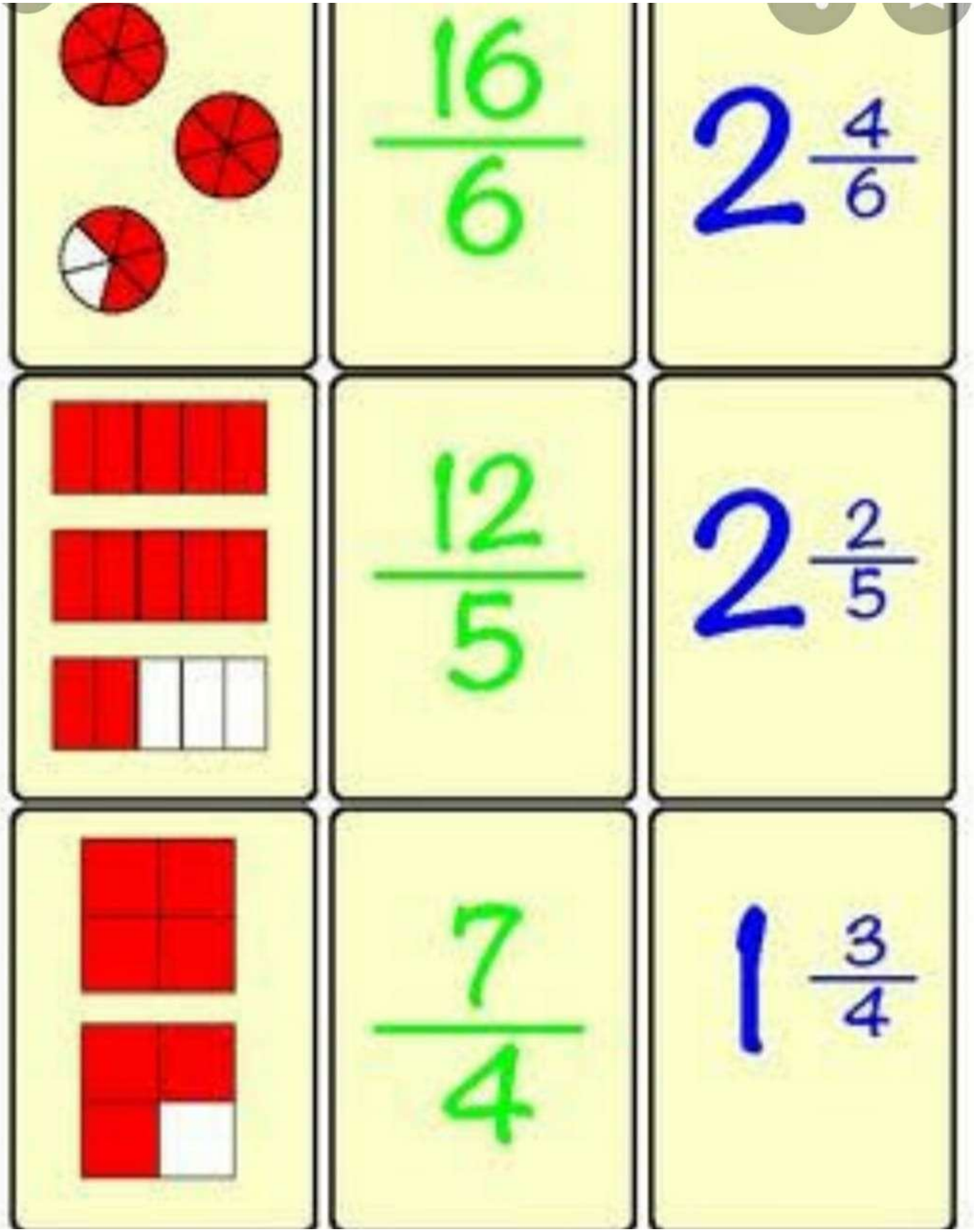
What fraction of these circles have X's in them?



Number of circles = 8

Number of circles with X = 4

$\therefore$ Fraction = $\frac{4}{8}$


16/6
2 4/6
12/5
2 2/5
7/4
1 3/4

EXERCISE 2.2

1. Which of the drawings (a) to (d) show :

(i) $2\times\frac{1}{5}$ (ii) $2\times\frac{1}{2}$ (iii) $3\times\frac{2}{3}$ (iv) $3\times$

(a) 

(b) 

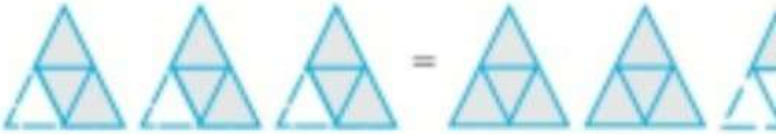
(c) 

(d) 

2. Some pictures (a) to (c) are given below. Tell which of them show:

(i) $3\times\frac{1}{5}=\frac{3}{5}$ (ii) $2\times\frac{1}{3}=\frac{2}{3}$ (iii) $3\times\frac{3}{4}=2\frac{1}{4}$

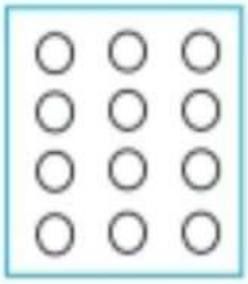
(a)

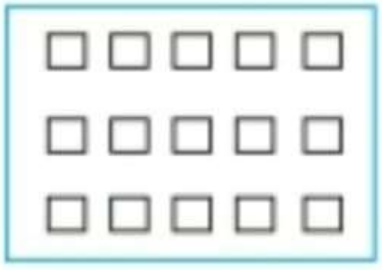


(b)

4. Shade: (i) $\frac{1}{2}$ of the circles in box (a) (ii) $\frac{2}{3}$ of the triangles in box (b)

(iii) $\frac{3}{5}$ of the squares in box (c).





Exercise – 2.2

Question 1

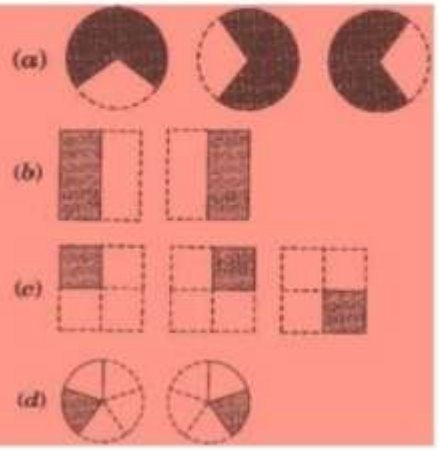
Which of the drawings from (a) to (d) show:

(i) $2\times\frac{1}{5}$

(ii) $2\times\frac{1}{2}$

(iii) $3\times\frac{2}{3}$

(iv) $3\times\frac{1}{4}$



Answer 1:

(i) – (d) Since $2\times\frac{1}{5}=\frac{1}{5}+\frac{1}{5}$

(ii) – (b) Since $2\times\frac{1}{2}=\frac{1}{2}+\frac{1}{2}$

(iii) – (a) Since $3\times\frac{2}{3}=\frac{2}{3}+\frac{2}{3}+\frac{2}{3}$

(iv) – (c) Since $3\times\frac{1}{4}=\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$

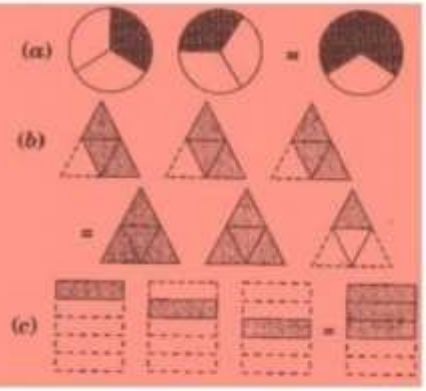
Question 2

Some pictures (a) to (c) are given below. Tell which of them show:

(i) $3\times\frac{1}{5}=\frac{3}{5}$

(ii) $2\times\frac{1}{3}=\frac{2}{3}$

(iii) $3\times\frac{3}{4}=2\frac{1}{4}$



Answer 2:

(i) – (c) Since $3\times\frac{1}{5}=\frac{1}{5}+\frac{1}{5}+\frac{1}{5}$

(ii) – (a) Since $2\times\frac{1}{3}=\frac{1}{3}+\frac{1}{3}$

(iii) – (b) Since $3\times\frac{3}{4}=\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$

Question 4

Shade:

(i) $\frac{1}{2}$ of the circles in box (a)

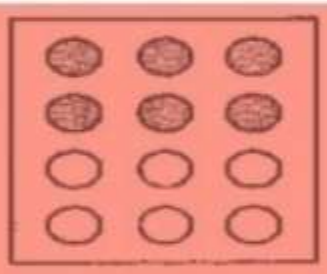
(ii) $\frac{2}{3}$ of the triangles in box (b)

(iii) $\frac{3}{5}$ of the squares inbox (c)

Answer 4:

(i) $\frac{1}{2}$ of 12 circles

$= \frac{1}{2} \times 12 = 6$ circles



(ii) $\frac{2}{3}$ of 9 triangles

$= \frac{2}{3} \times 9 = 2 \times 3 = 6$ triangles

(iii) $\frac{3}{5}$ of 15 squares

$= \frac{3}{5} \times 15$ $3 \times 3 = 9$ squares