

1. Write the following division as fractions:

(i) $3 \div 7$

(ii) $11 \div 78$

(iii) $113 \div 128$

Solution:-

Divisions can be written in fractions as,

(i) $3 \div 7 = 3/7$

(ii) $11 \div 78 = 11/78$

(iii) $113 \div 128 = 113/128$

2. Write the following fractions in words

(i) $2/7$

(ii) $3/10$

(iii) $15/28$

Solution:-

(i) $2/7 =$ Two-Seventh

(ii) $3/10 =$ Three-Tenth

(iii) $15/28 =$ Fifteen-Twenty eighth

3. Write the following fractions in number form:

(i) one-sixth

(ii) three-eleventh,

(iii) seven-fortieth

(iv) thirteen-one hundred twenty-fifth

Solution:-

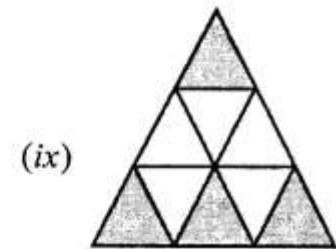
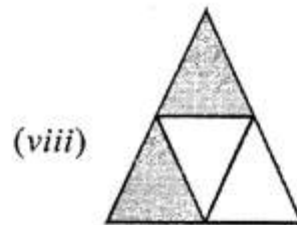
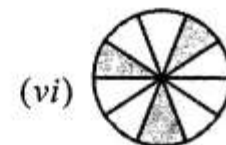
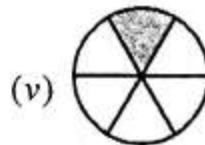
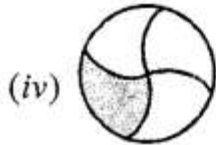
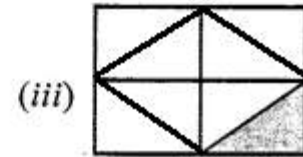
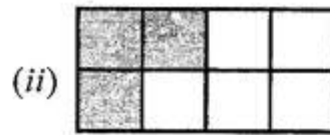
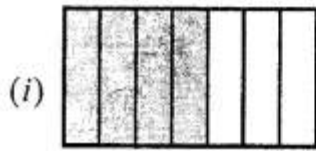
(i) one-sixth = $1/6$

(ii) three-eleventh = $3/11$

(iii) seven-fortieth = $7/40$

(iv) thirteen-one hundred twenty-fifth = $13/125$

4. What fraction of each of the following is shaded part?



Solution:-

From the given figure,

(i) In figure (i), out of 7 equal parts, 4 parts are shaded.

So, the fraction is $\frac{4}{7}$

(ii) In figure (ii), out of 8 equal parts, 3 parts are shaded.

So, the fraction is $\frac{3}{8}$

(iii) In figure (iii), out of 8 equal parts, 1 part is shaded.

So, the fraction is $\frac{1}{8}$

(iv) In figure (iv), out of 4 equal parts, 1 part is shaded.

So, the fraction is $\frac{1}{4}$

(v) In figure (v), out of 6 equal parts, 1 part is shaded.

So, the fraction is $\frac{1}{6}$

(vi) In figure (vi), out of 10 equal parts, 3 parts are shaded.

So, the fraction is $\frac{3}{10}$

(vii) In figure (vii), out of 7 equal parts, 3 parts are shaded.

So, the fraction is $\frac{3}{7}$

(viii) In figure (viii), out of 4 equal parts, 2 parts are shaded.

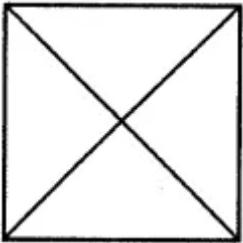
So, the fraction is $\frac{2}{4}$

(ix) In figure (ix), out of 9 equal parts, 4 parts are shaded.

So, the fraction is $\frac{4}{9}$

5. Shade the parts of the following figures according to given fractions.

(i) $\frac{3}{4}$

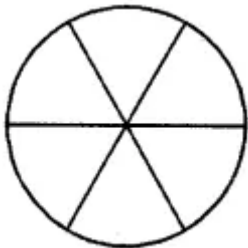


Solution:-

According to the fraction in the figure, out of 4 equal parts, 3 parts are shaded.



(ii) $\frac{1}{6}$

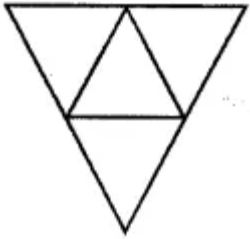


Solution:-

According to the fraction in the figure, out of 6 equal parts, 1 part is shaded.



(iii) $\frac{1}{4}$

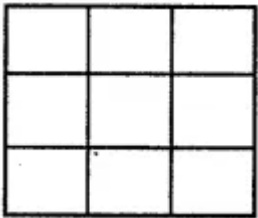


Solution:-

According to the fraction in the figure, out of 4 equal parts, 1 part is shaded.

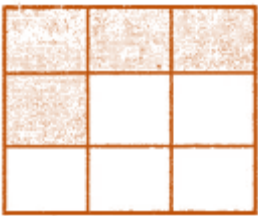


(iv) $\frac{4}{5}$



Solution:-

According to the fraction in the figure, out of 9 equal parts, 4 parts are shaded.



(v) $\frac{1}{3}$

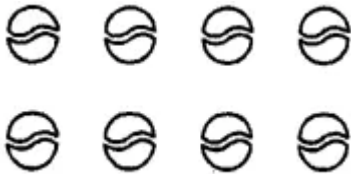


Solution:-

According to the fraction in the figure, out of 6 equal parts, 1 part is shaded.



(vi) $5/8$

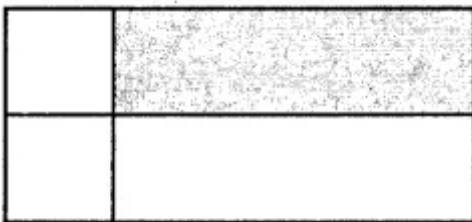


Solution:-

According to the fraction in the figure, out of 8 balls, 5 balls are shaded.



6. In the adjoining figure, if we say that the shaded region is $\frac{1}{4}$ of the whole region, then identify the error in it.



Solution:-

In the given figure, parts are not equally divided. So the given fraction is not correct.

7. Write the fraction in which

(i) numerator = 5 and denominator = 13

Solution:-

numerator = 5 and denominator = 13

$5/13$

(ii) denominator = 23 and numerator = 17

Solution:-

denominator = 23 and numerator = 17

17/23

