

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:-

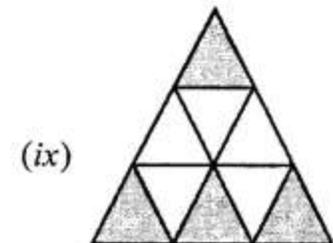
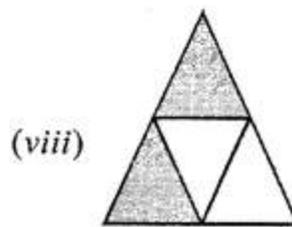
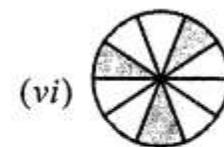
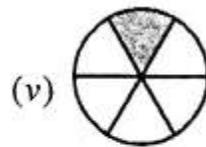
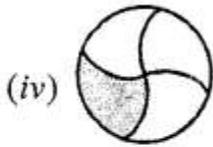
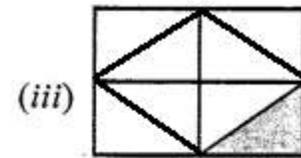
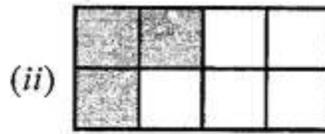
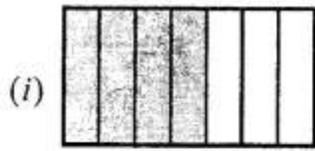
(i) one – sixth = $1/6$

(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 are shaded.

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

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

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

(v) In figure (v) out of 6 equal parts 1 part are 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.

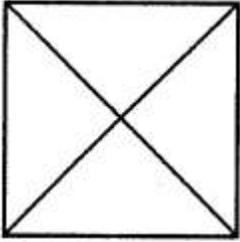
So, the fraction is $\frac{2}{4}$

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

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

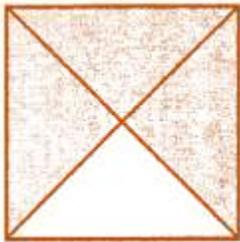
5. Shade the parts of the following figures according to given fractions.

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

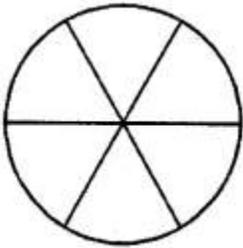


Solution:-

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

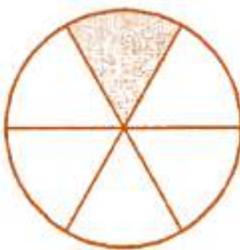


(ii) $\frac{1}{6}$

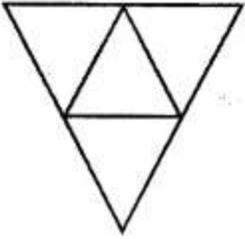


Solution:-

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

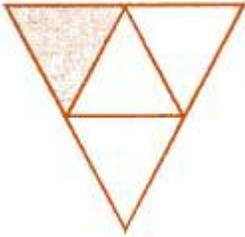


(iii) $\frac{1}{4}$

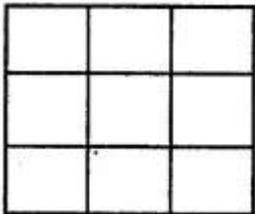


Solution:-

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

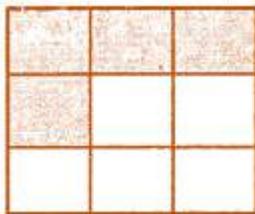


(iv) $\frac{4}{5}$

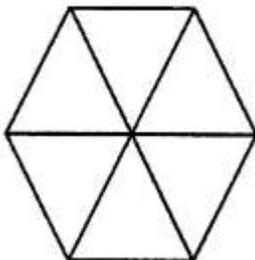


Solution:-

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



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

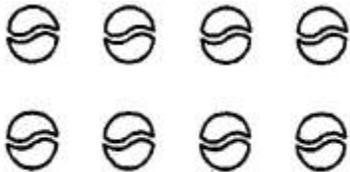


Solution:-

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

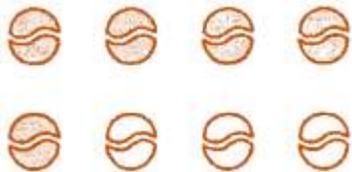


(vi) $\frac{5}{8}$

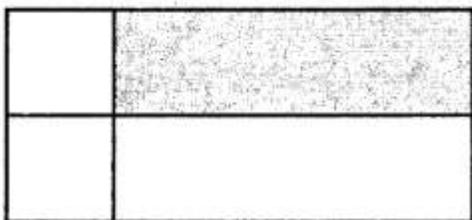


Solution:-

According to fraction, in 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

$\frac{5}{13}$

(ii) denominator = 23 and numerator = 17

Solution:-

denominator = 23 and numerator = 17

$\frac{17}{23}$

