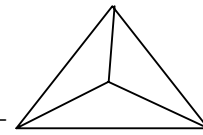


Fractional Numbers

1. The part of a whole thing is called a _____

2. How many equal parts are there in the given shape ? _____



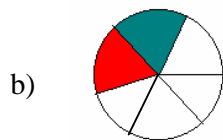
3. Write the fraction for the shaded and unshaded part in each of the following figures.



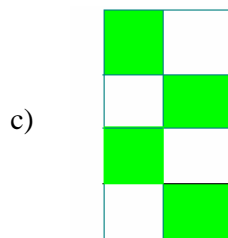
Shaded part

Unshaded part

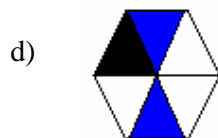
a) _____



b) _____



c) _____



d) _____

4. a) For 'one part out of three', we say _____ and we write _____

b) For 'two parts out of five', we say _____ and we write _____

5. Write the following fractions in words :

a) $\frac{7}{10} =$ _____

b) $\frac{4}{5} =$ _____

6. Write the fractions for the shaded part and the unshaded part of each collection of shapes.



Shaded part

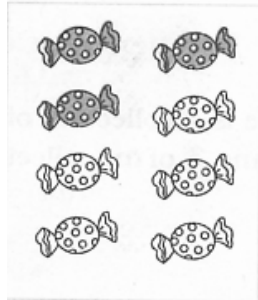
Unshaded part

a) _____



b) _____

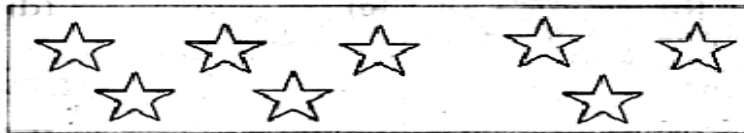
c)



7. Which of the following fractions indicate that the collection has 7 objects of which 5 are coloured ?

$$\frac{2}{3}, \frac{5}{3}, \frac{3}{8}, \frac{5}{7}, \frac{3}{5}, \frac{7}{5}$$

8. In the given figure, shade three-eighths of the stars.

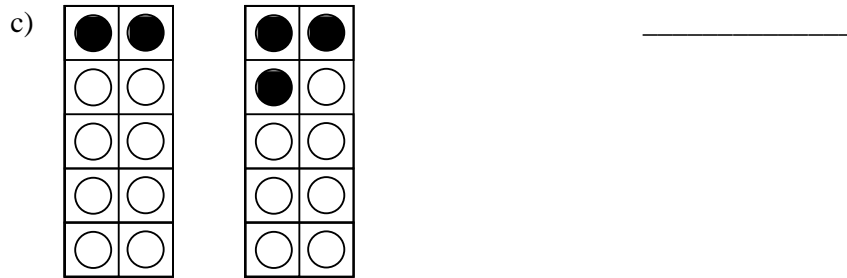


9. Write any 2 equivalent fractions for the following :

a) $\frac{3}{4}$, _____, _____

b) $\frac{5}{6}$ _____, _____

10. Find if the two fractions are equal or not:



11. Fractions with the same denominators are called _____ fractions.

12. Fractions with different denominators are called _____ fractions.

13. Which of the following are groups of like fractions?

a) $\frac{4}{7}, \frac{4}{5}$ b) $\frac{3}{9}, \frac{5}{9}$ and $\frac{7}{9}$ c) $\frac{1}{5}, \frac{2}{6}$ and $\frac{3}{7}$ d) $\frac{8}{9}, \frac{3}{8}$ and $\frac{5}{13}$

14. For each of the following, write 3 or more like fractions.

a) $\frac{1}{9}, \frac{7}{9}, \frac{2}{9}$, _____, _____, _____

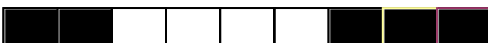
b) $\frac{2}{10}, \frac{6}{10}, \frac{5}{10}$, _____, _____, _____

15. Write any three unlike fractions _____

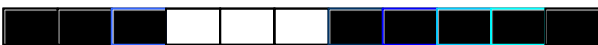
16. Look at the figures and fill in the blanks. One example is done for you.

Ex: 

a) $\frac{1}{6} + \frac{3}{6} = \frac{\textcircled{1} + \textcircled{3}}{6} = \frac{4}{6}$



b) $\frac{2}{9} + \frac{3}{9} = \frac{\textcircled{} + 3}{9} = \frac{\textcircled{}}{9}$



$$c) \frac{3}{11} + \frac{5}{11} = \frac{\bigcirc + \bigcirc}{11} = \frac{8}{\bigcirc}$$



$$d) \frac{1}{5} + \frac{2}{5} + \frac{1}{5} = \frac{\bigcirc + 2 + \bigcirc}{5} = \frac{\bigcirc}{5}$$

17. Find the sum

a) $\frac{5}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$

b) $\frac{1}{7} + \frac{3}{7} + \frac{2}{7} = \underline{\hspace{2cm}}$

c) $\frac{6}{11} + \frac{5}{11} = \underline{\hspace{2cm}}$

18. Add :

a) $\frac{4}{9}, \frac{3}{9}$ and $\frac{1}{9}$. $\underline{\hspace{2cm}}$

b) $\frac{3}{15}, \frac{6}{15}$ and $\frac{2}{15}$. $\underline{\hspace{2cm}}$

19. $\frac{5}{8} - \frac{\bigcirc}{8} = \frac{2}{8}$

20. $\frac{6}{7} - \frac{3}{7} = \frac{6-3}{7} = \frac{\bigcirc}{7}$

21. $\frac{8}{11} - \frac{7}{11} = \frac{\bigcirc - \bigcirc}{11} = \frac{1}{\bigcirc}$

22. Subtract a) $\frac{2}{9}$ from $\frac{5}{9}$ $\underline{\hspace{2cm}}$

b) $\frac{1}{3}$ from $\frac{2}{3}$ $\underline{\hspace{2cm}}$

23. Find the difference : a) $\frac{3}{4} - \frac{1}{4} = \underline{\hspace{2cm}}$

b) $\frac{7}{9} - \frac{4}{9} = \underline{\hspace{2cm}}$

24. Fill in the blanks :

a) $\frac{1}{8} + \frac{\bigcirc}{\bigcirc} = \frac{\bigcirc}{8}$ or 1

b) $\frac{1}{5} + \frac{3}{5} = \frac{\bigcirc}{5}$

c) $\frac{1}{10} + \frac{\bigcirc}{\bigcirc} = \frac{\bigcirc}{10}$ or 1

25. Compare the following fractions using ($>$, $<$ or $=$)
 a) $\frac{7}{9}$ O $\frac{6}{9}$ b) $\frac{3}{11}$ O $\frac{9}{11}$ c) $\frac{18}{40}$ O $\frac{23}{40}$ d) $\frac{10}{10}$ O $\frac{4}{10}$
26. Find the smaller fraction in each of the following :
 a) $\frac{4}{6}$, $\frac{15}{6}$ _____ b) $\frac{10}{13}$, $\frac{8}{13}$ _____ c) $\frac{5}{7}$, $\frac{3}{7}$ _____
27. Arrange the following fractions in descending order, using the symbol ($>$)
 $\frac{7}{8}$, $\frac{3}{8}$, $\frac{1}{8}$, $\frac{5}{8}$, $\frac{2}{8}$, $\frac{6}{8}$, $\frac{4}{8}$ _____
28. Write the following in ascending order :
 $\frac{9}{10}$, $\frac{7}{10}$, $\frac{2}{10}$, $\frac{5}{10}$, $\frac{3}{10}$, $\frac{1}{10}$, $\frac{8}{10}$ _____
29. Which of the following are proper fractions ?
 $\frac{5}{11}$, $\frac{13}{4}$, $\frac{48}{9}$, $\frac{10}{10}$, $\frac{13}{17}$, $\frac{8}{15}$, $\frac{11}{5}$, $\frac{7}{2}$ A: _____ are proper fractions.
30. Which of the following are improper fractions ?
 $\frac{2}{3}$, $\frac{6}{6}$, $\frac{5}{9}$, $\frac{11}{11}$, $\frac{15}{8}$ A: _____ are improper fractions.
31. Which of the following are unit fractions?
 $\frac{2}{3}$, $\frac{1}{2}$, $\frac{5}{6}$, $\frac{1}{8}$, $\frac{8}{9}$, $\frac{6}{2}$, $\frac{10}{11}$, $\frac{1}{1}$, $\frac{13}{7}$ _____
32. Which of the following are mixed fractions?
 $\frac{13}{7}$, $1\frac{6}{7}$, $\frac{3}{2}$, $5\frac{1}{8}$, $4\frac{1}{5}$, $10\frac{1}{3}$, $\frac{7}{9}$, $\frac{5}{6}$ _____
33. A proper fraction with numerator '1' is called a _____ fraction.
34. A fraction with numerator greater than or equal to the denominator is called an _____ fraction.
35. A fraction whose numerator is less than the denominator is called _____ fraction.
36. A whole number together with a proper fraction is called a _____ fraction.
37. What should be added to $\frac{11}{17}$ to make it $\frac{15}{17}$? _____

38. By how much is $\frac{19}{20}$ greater than $\frac{2}{20}$? _____

39. $2\frac{2}{5}$ can be represented as _____ []

a) $\frac{10}{15}$ b) $\frac{9}{5}$ c) $\frac{12}{5}$ d) $\frac{12}{2}$

40. $\frac{3}{4} + \frac{2}{4}$ is a _____ fraction. []

a) proper b) improper c) mixed d) unit

41. _____ make one whole. []

a) one half b) two halves c) 3 halves d) 5 halves

42. _____ make one whole []

a) three fourths b) four fourths c) two fourths d) five fourths

43. The equivalent fraction of $\frac{10}{11}$ having the numerator 40 is _____

44. $\frac{2}{5} = \frac{?}{15}$

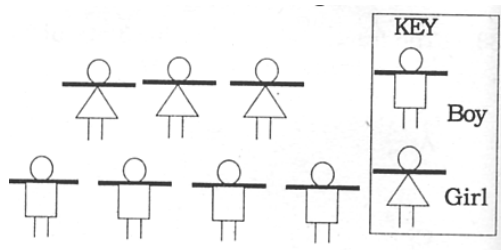
45. _____ + $\frac{4}{7} = 1$

46. $\frac{5}{13} + \frac{?}{13} = \frac{5}{13}$

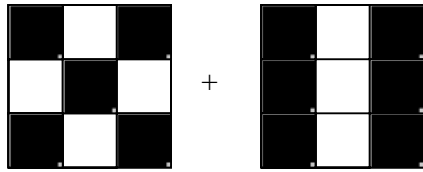
47. $3\frac{2}{5} + 3 + \frac{?}{5} = 7$

48. How many one-sevenths make one ? _____

49. What fraction of the children in the following group are girls ? _____



50. What is the sum of the shaded parts? _____ []



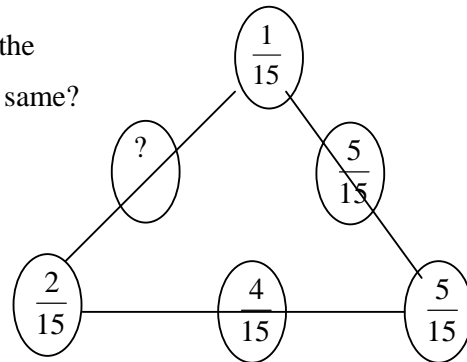
- a) $\frac{11}{9}$ b) $\frac{11}{7}$ c) $\frac{11}{18}$ d) $\frac{7}{18}$

51. Which number should come in place of * ? $\frac{1}{7} + \frac{2}{7} + \frac{*}{7} = 1\frac{3}{7}$ []

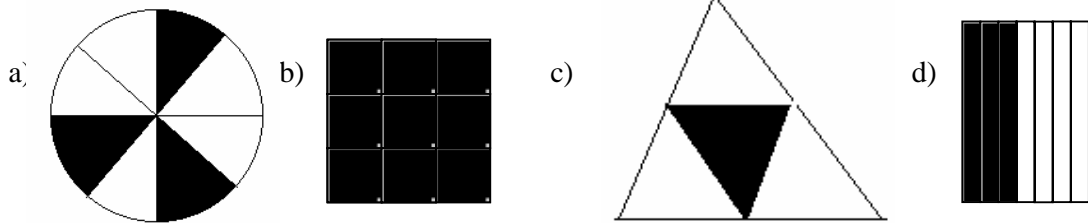
a) 1 b) 2 c) 3 d) 7

52. How many one-fourths need to be added to $2\frac{1}{4}$ to make it equal to 4 ? ___

53. What should be placed in the empty space so that the sum of the fractions on each side of the triangle is same?



54. Which of the following is an improper fraction? []



55. Which of the following is a proper fraction? []

