

Assignment 32

Fractions

Answer the following questions :



1. Write the fraction representing the shaded portion.

2. Insert $>$ or $<$ in the box : $1 \square \frac{1}{2}$.
3. Express 28 as a mixed fraction. _____
4. In $\frac{4}{5}$, numerator is _____ and denominator is _____.
5. Is the fraction $\frac{4}{15}$ in its lowest terms? _____
6. Are $\frac{1}{3}$ and $\frac{2}{7}$ equivalent? _____
7. Write the simplest form of $\frac{15}{75}$. _____
8. Which is the larger : $\frac{3}{19}$ or $\frac{5}{19}$? _____
9. Add : $\frac{3}{8}$ and $\frac{1}{8}$. _____
10. Subtract : $1 - \frac{3}{7}$. _____
11. Is $\frac{8}{8}$ an improper fraction? _____
12. Find an equivalent fraction of $\frac{2}{3}$ with denominator 18. _____
13. Fill in the box with correct number : $\frac{4}{7} = \frac{16}{\square}$.
14. Express $5\frac{3}{7}$ as an improper fraction. _____
15. Which is greater : $\frac{7}{15}$ or $\frac{7}{24}$? _____
16. Find the equivalent fraction of $\frac{2}{5}$ with numerator 6. _____

Date :

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Answer the following questions :

1. Ring the improper fractions : $\frac{5}{7}$ $\frac{2}{11}$ $\frac{14}{9}$ $\frac{11}{11}$ $\frac{7}{18}$
2. Express $2\frac{4}{11}$ as an improper fraction. _____
3. Express $\frac{27}{5}$ as a mixed number. _____
4. Is $\frac{20}{29}$ in its lowest terms? _____
5. Are $\frac{8}{15}$ and $\frac{9}{16}$ equivalent? _____
6. Encircle the fraction which is in its lowest terms : $\frac{4}{8}$ $\frac{2}{4}$ $\frac{1}{2}$ $\frac{5}{10}$
7. What fraction of an hour is 15 minutes? _____
8. A fraction is said to be in its lowest terms if its numerator and denominator have no common factor except 1. Is it true? _____
9. Which is greater : 1 or $\frac{15}{22}$? _____
10. Add $\frac{7}{5}$ and $\frac{4}{5}$. _____
11. Find the equivalent fraction of $\frac{5}{8}$ with denominator 24. _____
12. Arrange $\frac{11}{33}$, $\frac{11}{14}$, $\frac{11}{17}$, $\frac{11}{34}$ in ascending order : _____
13. Subtract $\frac{4}{9}$ from 1. _____
14. Insert > or < in the box : $\frac{5}{6}$ $\frac{4}{5}$ _____
15. Which is smaller : $\frac{7}{15}$ or $\frac{1}{5}$? _____
16. To find an equivalent fraction, we may divide both the numerator and the denominator by the same number. Is it true? _____

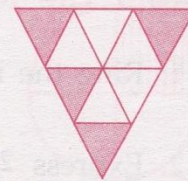
Date :

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Assignment 34

Fractions

Answer the following questions :



1. How many halves are there in $2\frac{1}{2}$? _____
2. Write the fraction representing the shaded portion.

3. Write the fraction whose, numerator is 5 and denominator is 9.

4. Subtract $\frac{3}{4}$ from 1. _____
5. Convert $8\frac{1}{2}$ into an improper fraction. _____
6. Convert $\frac{63}{8}$ into a mixed number. _____
7. Find the sum : $\frac{1}{8} + \frac{2}{8} + \frac{3}{8}$. _____
8. What fraction of a day is 12 hours? _____
9. Find an equivalent fraction to $\frac{10}{30}$ having numerator 2. _____
10. Find the missing digit : $\frac{2}{7} = \frac{\square}{42}$
11. Reduce $\frac{45}{84}$ to its lowest terms. _____
12. Are $\frac{2}{5}$ and $\frac{10}{25}$ equivalent? _____
13. Add $\frac{7}{18}$ and $\frac{11}{18}$. _____
14. Of the two fractions with the same numerator, the fraction with greater denominator is smaller. Is it true? _____
15. Is $\frac{0}{5}$ an improper fraction? _____
16. Is $\frac{15}{22}$ in its lowest terms? _____

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Fractions

Assignment 35

Tick (✓) mark the correct answer in each case :

1. The numerator of the fraction $\frac{5}{6}$ is :
(i) 5 (ii) 6 (iii) $5 + 6$ (iv) 5×6
2. Fractions with the same denominator are called :
(i) like fractions (ii) unlike fractions
(iii) proper fractions (iv) none of these
3. A fraction with numerator 1 is called a :
(i) like fraction (ii) proper fraction
(iii) unit fraction (iv) mixed number.
4. A fraction whose numerator is greater than or equal to its denominator is called :
(i) a proper fraction (ii) an improper fraction
(iii) unit fraction (iv) mixed number
5. To get an equivalent fraction we may :
(i) add the numerator and the denominator
(ii) subtract the denominator from the numerator
(iii) divide the denominator by the numerator
(iv) multiply the numerator and the denominator by the same number.
6. $\frac{5}{17} + \frac{7}{17}$ is equal to :
(i) $\frac{2}{17}$ (ii) $\frac{12}{17}$ (iii) $\frac{35}{17}$ (iv) none of these
7. $\frac{3}{10} - \frac{1}{5}$ is equal to :
(i) $\frac{1}{10}$ (ii) $\frac{14}{10}$ (iii) $\frac{1}{2}$ (iv) $\frac{16}{50}$
8. $2\frac{4}{5}$ when expressed as an improper fraction is :
(i) $\frac{22}{5}$ (ii) $\frac{14}{5}$ (iii) $\frac{14}{4}$ (iv) $\frac{6}{5}$
9. $\frac{42}{5}$ when expressed as a mixed number is :
(i) $8\frac{1}{5}$ (ii) $5\frac{1}{8}$ (iii) $4\frac{2}{5}$ (iv) $8\frac{2}{5}$
10. Arranging $\frac{3}{5}, \frac{7}{10}, \frac{4}{15}$ in ascending order we get :
(i) $\frac{3}{5}, \frac{4}{15}, \frac{7}{10}$ (ii) $\frac{4}{15}, \frac{3}{5}, \frac{7}{10}$ (iii) $\frac{7}{10}, \frac{4}{15}, \frac{3}{5}$ (iv) $\frac{3}{5}, \frac{7}{10}, \frac{4}{15}$

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Tick (✓) mark the correct answer in each case :

1. Arranging $\frac{11}{16}, \frac{11}{15}, \frac{11}{12}, \frac{11}{24}$ in descending order we get :
 (i) $\frac{11}{12}, \frac{11}{15}, \frac{11}{16}, \frac{11}{24}$ (ii) $\frac{11}{24}, \frac{11}{16}, \frac{11}{15}, \frac{11}{12}$
 (iii) $\frac{11}{15}, \frac{11}{16}, \frac{11}{24}, \frac{11}{12}$ (iv) $\frac{11}{12}, \frac{11}{15}, \frac{11}{24}, \frac{11}{16}$
2. The equivalent fraction of $\frac{2}{7}$ with denominator 21 is :
 (i) $\frac{7}{21}$ (ii) $\frac{5}{21}$ (iii) $\frac{8}{21}$ (iv) $\frac{6}{21}$
3. The equivalent fraction of $\frac{5}{8}$ with numerator 25 is :
 (i) $\frac{25}{40}$ (ii) $\frac{25}{8}$ (iii) $\frac{25}{80}$ (iv) $\frac{25}{3}$
4. $\frac{2}{5} + \frac{4}{5} + \frac{9}{5}$ is equal to :
 (i) 1 (ii) 2 (iii) 3 (iv) 4
5. $1 - \left(\frac{3}{4} + \frac{1}{4}\right)$ is equal to :
 (i) 1 (ii) $\frac{1}{2}$ (iii) $\frac{3}{2}$ (iv) 0
6. When $\frac{1}{5} + \frac{2}{5}$ is subtracted from 2, the result is :
 (i) $\frac{3}{5}$ (ii) $\frac{7}{5}$ (iii) $\frac{6}{5}$ (iv) none of these
7. Which is the unit fraction?
 (i) $\frac{15}{1}$ (ii) $\frac{1}{5}$ (iii) $\frac{3}{5}$ (iv) $\frac{5}{3}$
8. How many fractions lie between 0 and 1?
 (i) none (ii) only 1 (iii) only 2 (iv) infinite
9. $\frac{20}{35}$ in its lowest terms is :
 (i) $\frac{7}{4}$ (ii) $\frac{5}{7}$ (iii) $\frac{4}{7}$ (iv) $\frac{2}{5}$

Date :

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MATHEMATICS SPELL BEE - 2017

1. PARALLEL
2. CORRESPONDING
ANGLES
3. QUADRATIC
4. CONVERSE
5. POLYHEDRON
6. CONSISTENCY
7. ADJACENT
8. ABCISSA
9. ARBITRARY
10. COEFFICIENTS
11. CARTESIAN
12. FIBONACCI
13. DIAGONAL
14. SUPPLEMENTARY
15. FREQUENCY
16. MODULUS
17. BINOMIAL
18. ALGORITHM
19. CONVERSE
20. SUCCESSIVE
21. CENTROID
22. CIRCUMCENTRE
23. COLLINEAR
24. COMPLEMENTARY
ANGLES

25. CONCENTRIC
CIRCLES
26. THEOREM
27. DENOMINATOR
28. DIAGONAL
29. DIVIDEND
30. DIVISOR
31. QUADRANT
32. QUADRATIC
EQUATION
33. QUOTIENT
34. TRANSVERSAL
35. HYPOTENUSE
36. EQUIANGULAR
37. BISECTOR
38. PROPORTION
39. EXPONENT
40. NUMERATOR
41. DENOMINATOR
42. MONOMIAL
43. INTEGERS
44. RECIPROCAL
45. TRINOMIAL
46. CIRCUMFERENCE
47. CONGRUENT

48. DIAMETER
49. VARIABLE
50. POLYNOMIAL
51. MEAN
52. MEDIAN