MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

FRACTIONS

Example

1. Find $\frac{3}{4}$ of 12.

A. 9

B. 16

C. $\frac{1}{9}$

D. None of these

Answer: A

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2. Find $\frac{5}{8}$ of 32.

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3. What fraction of a day is 8 hours ?

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4. What fraction of an hour is 40 minutes?

A. $\frac{2}{3}$

B. $\frac{3}{2}$

C. $\frac{4}{6}$

D. $\frac{6}{4}$

Answer: B

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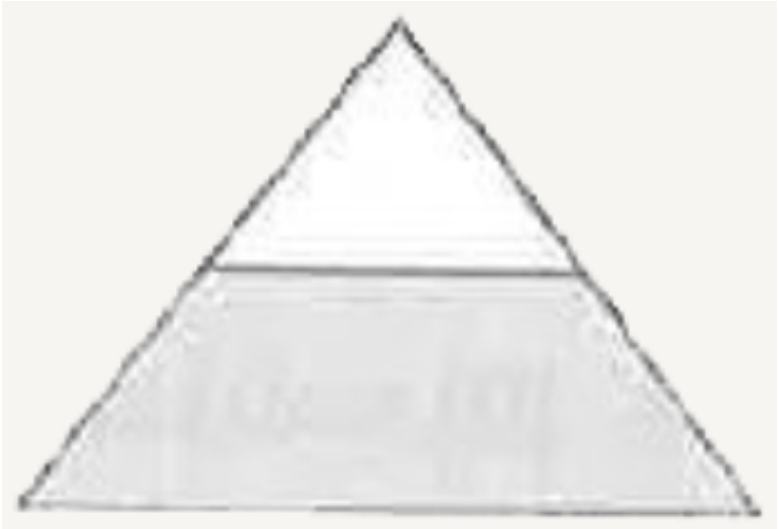
5. In the given figure. If we say that the shaded region is $\frac{1}{2}$ of the whole, then what is the error in it?



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6. Convert $\frac{29}{8}$ into a mixed fraction.

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7. Represent $2\frac{2}{5}$ on the number line.

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8. Write six improper fractions with denominator 7

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9. Write six improper fraction with numerator 11.

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10. Convert each of the following into an improper fraction:

(i) $3\frac{4}{5}$

(ii) $6\frac{5}{8}$

(iii) $5\frac{7}{9}$

(iv) $11\frac{1}{6}$

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11. Corvert each of the following into a mixed fraction:

(i) $\frac{23}{5}$

(ii) $\frac{37}{6}$

(iii) $\frac{45}{8}$

(iv) $\frac{50}{7}$

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12. Write four fraction equivalent to each of the following.

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

(ii) $\frac{5}{7}$

(iii) $\frac{8}{11}$

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13. Write a fraction equivalent to $\frac{3}{4}$ with numerator 15.

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14. Write a fraction equivalent to $\frac{5}{8}$ with denominator 56.

A. $\frac{5}{56}$

B. $\frac{35}{56}$

C. $\frac{15}{56}$

D. $\frac{35}{7}$

Answer: B

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15. Write a fraction equivaient to $\frac{36}{63}$ with numerator 4.

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16. Write a fraction equivalent to $\frac{20}{36}$ with denominator 9.

A. $\frac{4}{9}$

B. $\frac{9}{4}$

C. $\frac{5}{9}$

D. $\frac{9}{5}$

Answer: C

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17. Show that $\frac{5}{8}$ and $\frac{20}{32}$ are equtvalent fraction.

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18. Show that $\frac{7}{12}$ and $\frac{36}{60}$ are not equivalent fraction.

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19. Show that $\frac{7}{10}$ is in the simplest form.

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20. Reduce $\frac{21}{35}$ to the simplest form.

A. $\frac{4}{5}$

B. $\frac{3}{5}$

C. $\frac{7}{5}$

D. $\frac{11}{5}$

Answer: B

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21. Convert the fraction $\frac{1}{2}, \frac{2}{3}, \frac{5}{6}$, and $\frac{4}{9}$ into the Like fractions.

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22. Compare the fraction $\frac{3}{8}$ and $\frac{5}{12}$

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23. Compare the fraction $\frac{5}{9}$ and $\frac{6}{11}$

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24. Compare the fraction $\frac{5}{6}$ and $\frac{8}{9}$

Watch Video Solution

25. Compare the fraction $\frac{7}{12}$ and $\frac{9}{16}$

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26. Arrange the fraction $\frac{2}{3}, \frac{1}{6}, \frac{5}{9}$ and $\frac{7}{12}$ in ascending order.

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27. Arrange the fractions $\frac{4}{5}, \frac{7}{10}, \frac{8}{15}$ and $\frac{17}{30}$ in descending order.

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28. Find the sum:

(i) $\frac{4}{9} + \frac{2}{9}$

(ii) $\frac{3}{8} + \frac{1}{8} + \frac{5}{8}$

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29. Find the sum:

$$\frac{8}{9} + \frac{5}{12}$$

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30. Find the sum:

$$\frac{5}{6} + \frac{3}{8}$$

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31. Find the sum:

$$\frac{7}{12} + \frac{11}{16} + \frac{9}{24}$$

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32. Find the sum:

$$\frac{5}{6} + \frac{7}{8} + \frac{11}{12}$$

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33. Find the sum:

$2\frac{4}{5} + 1\frac{3}{10} + 3\frac{1}{15}$

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34. Tanvl bought a notebook for Rs $8\frac{3}{4}$ and a pen for Rs $10\frac{2}{5}$ How much money should she pay to the shopkeeper?

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35. Three boxes weigh $\frac{\frac{18}{3}}{4} kg$, $7\frac{1}{2} kg$ *and* $10\frac{1}{5}\ kg$ respectively. A porter carries all the three boxes. What is the total weight carried by the porter?

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36. Find the diffrence:

(i) $\frac{5}{9} - \frac{2}{9}$

(ii) $\frac{11}{12} - \frac{7}{12}$

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37. Find the diffrence:

$\frac{7}{8} - \frac{5}{12}$.

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38. Subtract $3\frac{5}{9}$ from $5\frac{1}{6}$

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39. Subtract $\frac{7}{10}$ from $4\frac{1}{5}$

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40. Subtract $1\frac{5}{6}$ from 8.

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41. Simplify: $5\frac{1}{6} - 3\frac{1}{4} + 3\frac{1}{3} + 4$

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42. of $\frac{5}{7}$ and $\frac{9}{14}$, which is greater and by how much?

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43. The cost of a pen is Rs $6\frac{2}{3}$ and that of a pencil is Rs $4\frac{1}{6}$. Which cost is more and by how much?

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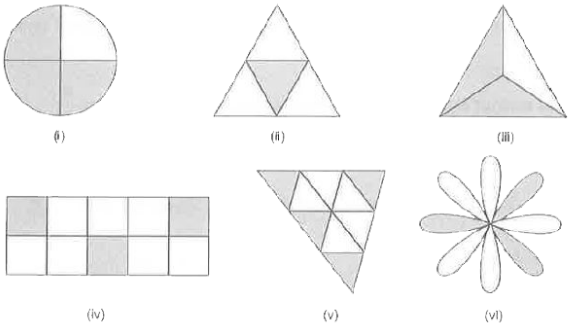
Exercise 5 A

1. (i) Write the fraction of the shaded portion:



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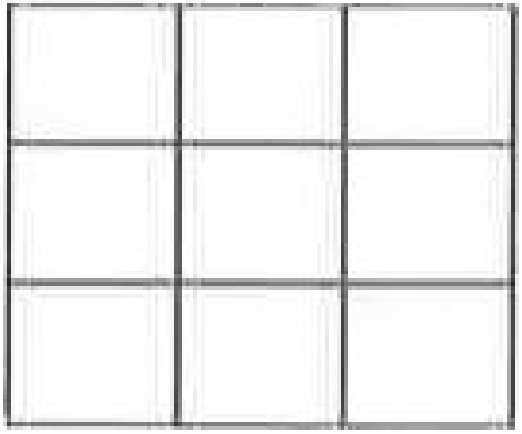
2. Shade $\frac{4}{9}$ of the given figure.



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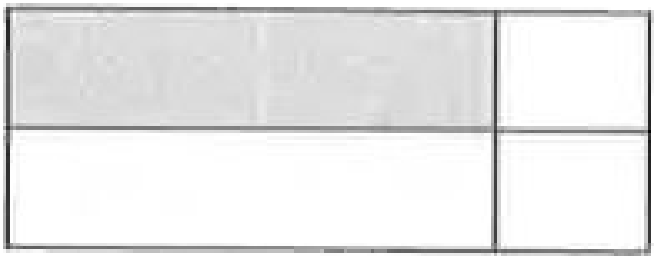
3. In the given figure. If we say that the shaded region is $\frac{1}{4}$ then identify the error in it.



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4. Write a fraction for each of the following:

(i) three-fourths

(ii) four-sevenths

(iii) two-fifths

(iv) three-tenths

(v) one-eighth

(vi) five-sixths

(vii) eight-ninths

(viii) seven-twelfths

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5. (i) Write down the numerator and the denominator of each of the fraction given below:

$\frac{4}{9}$

(ii) $\frac{6}{11}$

(iii) $\frac{8}{15}$

(iv) $\frac{12}{17}$

(v) $\frac{5}{1}$

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6. Write down the fraction in which.

(i)numerator = 3, denominator = 8

(ii) numerator = 5, denominator = 12

(iii) numerator = 7, denominator = 16

(iv) numerator = 8, denominator = 15

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7. Write down the fractional number for each of the following:

(i) $\frac{2}{3}$

(ii) $\frac{4}{9}$

(iii) $\frac{2}{5}$

(iv) $\frac{7}{10}$

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

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

(vii) $\frac{3}{8}$

(viii) $\frac{9}{14}$

(ix) $\frac{5}{11}$

(x) $\frac{6}{15}$

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8. What fraction of an hour is 24 minutes?

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9. How many natural numbers are there from 2 to 10? what fraction of them are prime numbers?

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10. Determine:

(i) $\frac{2}{3}$ of 15 pens

(ii) $\frac{2}{3}$ OF 27 balls

(iii) $\frac{2}{3}$ of 36 balloons

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11. Determine:

(i) $\frac{3}{4}$ of 16 cups

(ii) $\frac{3}{4}$ of 28 rackets

(iii) $\frac{3}{4}$ of 32 books

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12. Neelam has 25 pencils. She gives $\frac{4}{5}$ of them to Meena. How many pencils does Meena get? How many pencils are left with Neelam?

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13. Represent each of the following fraction on the number line: (ii) $\frac{5}{9}$ (iii) $\frac{4}{7}$ (v) $\frac{1}{4}$

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Exercise 5 B

1. Which of the following are proper fraction?

$$\frac{1}{2}, \frac{3}{5}, \frac{10}{7}, 2, \frac{15}{8}, \frac{16}{16}, \frac{10}{11}, \frac{23}{10}$$

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2. Which of the following are improper fractions ?

$$\frac{1}{2}, \frac{3}{5}, \frac{10}{7}, 2, \frac{15}{8}, \frac{16}{16}, \frac{10}{11}, \frac{23}{10}$$

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3. Write six improper fractions with denominator 5.

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4. Write six improper fraction with numerator 13.

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5. Convert each of the following Into an improper fraction:

(i) $5\frac{5}{7}$

(ii) $9\frac{3}{8}$

(iii) $6\frac{3}{10}$

(iv) $3\frac{5}{11}$

(v) $10\frac{9}{14}$

(vi) $12\frac{7}{15}$

(vii) $8\frac{8}{13}$

(viii) $51\frac{2}{3}$

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6. Convert each of the following into a mixed fraction:

(i) $\frac{17}{5}$

(ii) $\frac{62}{7}$

(iii) $\frac{101}{8}$

(iv) $\frac{95}{13}$

(v) $\frac{81}{11}$

(vi) $\frac{87}{16}$

(vii) $\frac{103}{12}$

(viii) $\frac{117}{20}$

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7. Fill up the blanks with '>','<' or'=':

(i) $\frac{1}{2} \square 1$

(ii) $\frac{3}{4} \square 1$

(iii) $1 \square \frac{6}{7}$

(iv) $\frac{6}{6} \square 1$

(v) $\frac{3016}{3016} \square 1$

(vi) $\frac{11}{5} \square 1$

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8. Draw number lines and locate the following points:

(i) $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{4}{4}$

(ii) $\frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \frac{5}{8}, \frac{7}{8}$

(iii) $\frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{8}{5}$

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Exercise 5 C

1. Write five fractions equivalent to each of the following:

(i) $\frac{2}{3}$

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

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

(iv) $\frac{7}{10}$

(v) $\frac{3}{7}$

(vi) $\frac{6}{11}$

(vii) $\frac{7}{9}$

(viii) $\frac{5}{12}$

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2. Which of the following are the pairs of equivalent fractions?

(i) $\frac{5}{6}$ and $\frac{20}{24}$

(ii) $\frac{3}{8}$ and $\frac{15}{40}$

(iii) $\frac{4}{7}$ and $\frac{16}{21}$

(iv) $\frac{2}{9}$ and $\frac{14}{63}$

(v) $\frac{1}{3}$ and $\frac{9}{24}$

(vi) $\frac{2}{3}$ and $\frac{33}{22}$

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3. Find the equivalent fraction of $\frac{3}{5}$ having

(i) denominater 30

(ii) numerator 24

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4. Find the equivalent fraction of $\frac{5}{9}$ having

(i) denominater 54

(ii) numerator 35

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5. Find the equivalent fraction of $\frac{6}{11}$ having

(i) denominater 77

(ii) numerator 60

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6. Find the equivalent fraction of $\frac{24}{30}$ having numerator 4.

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7. Find the equivalent fraction of $\frac{36}{48}$

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8. Find the equivalent fraction of 56/70 with (i) numerator 4 (ii) denominator 10

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9. Reduce each of the following fractions into its simplest from:

(i) $\frac{9}{15}$

(ii) $\frac{48}{60}$

(iii) $\frac{84}{98}$

(iv) $\frac{150}{60}$

(v) $\frac{72}{90}$

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10. Show that each of the following fraction is in the simplest form:

(i) $\frac{8}{11}$

(ii) $\frac{9}{14}$

(iii) $\frac{25}{36}$

(iv) $\frac{8}{15}$

(v) $\frac{21}{10}$

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11. Replace $\square$ by the correct number in each of the follwing:

(i) $\frac{2}{7} = \frac{8}{\square}$

(ii) $\frac{3}{5} = \frac{\square}{35}$

(iii) $\frac{5}{8} = \frac{20}{\square}$

(iv) $\frac{45}{60} = \frac{9}{\square}$

(v) $\frac{40}{56} = \frac{\square}{7}$

(vi) $\frac{42}{54} = \frac{7}{\square}$

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Exersice 5 D

1. Define like and unlike fractions and give five example of each.

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2. Convert $\frac{3}{5}, \frac{7}{10}, \frac{8}{15}, \text{ and } \frac{11}{30}$ into like fractions.

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3. Convert $\frac{1}{4}, \frac{5}{8}, \frac{7}{12} \text{ and } \frac{13}{24}$ into like fractions.

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4. Fill in the place holders with the correct symbol > or < :

(i) $\frac{8}{9} \square \frac{5}{9}$

(ii) $\frac{9}{10} \square \frac{7}{10}$

(iii) $\frac{3}{7} \square \frac{6}{7}$

(iv) $\frac{11}{15} \square \frac{8}{15}$

(v) $\frac{6}{11} \square \frac{5}{11}$

(vi) $\frac{11}{20} \square \frac{17}{20}$

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5. Fill in the place holders with the correct symbol > or < :

(i) $\frac{3}{4} \square \frac{3}{5}$

(ii) $\frac{7}{8} \square \frac{7}{10}$

(iii) $\frac{4}{11} \square \frac{4}{9}$

(iv) $\frac{8}{11} \square \frac{8}{13}$

(v) $\frac{5}{12} \square \frac{5}{8}$

(vi) $\frac{11}{14} \square \frac{11}{15}$

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6. Compare the fractions given below:

$\frac{4}{5}, \frac{5}{7}$

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7. Compare the fractions given below:

$\frac{3}{8}, \frac{5}{6}$

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8. Compare the fractions given below:

$\frac{7}{11}, \frac{6}{7}$

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9. Compare the fractions given below:

$\frac{5}{6}, \frac{9}{11}$

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10. Compare the fractions given below:

$\frac{2}{3}, \frac{4}{9}$

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11. Compare the fractions given below:

$\frac{6}{13}, \frac{3}{4}$

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12. Compare the fractions given below:

$\frac{3}{4}, \frac{5}{6}$

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13. Compare the fractions given below:

$\frac{5}{8}, \frac{7}{12}$

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14. Compare the fractions given below:

$\frac{4}{9}, \frac{5}{6}$

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15. Compare the fractions given below:

$\frac{4}{5}, \frac{7}{10}$

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16. Compare the fractions given below:

$\frac{7}{8}, \frac{9}{10}$

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17. Compare the fractions given below:

$\frac{11}{12}, \frac{13}{15}$

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18. Arrange the following fraction in ascending order:

$$\frac{1}{2}, \frac{3}{4}, \frac{5}{6} \text{ and } \frac{7}{8}$$

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19. Arrange the following fraction in ascending order:

$$\frac{2}{3}, \frac{5}{6}, \frac{7}{9} \text{ and } \frac{11}{18}$$

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20. Arrange the following fraction in ascending order:

$$\frac{2}{5}, \frac{7}{10}, \frac{11}{15} \text{ and } \frac{17}{30}$$

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21. Arrange the following fraction in ascending order:

$$\frac{3}{4}, \frac{7}{8}, \frac{11}{16} \text{ and } \frac{23}{32}$$

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22. Arrange the following fraction in descending order:

$\frac{3}{4}, \frac{5}{8}, \frac{11}{16}$ and $\frac{23}{32}$

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23. Arrange the following fraction in descending order:

$\frac{7}{9}, \frac{5}{12}, \frac{11}{18}$ and $\frac{17}{36}$

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24. Arrange the following fraction in descending order:

$\frac{2}{3}, \frac{3}{5}, \frac{7}{10}$ and $\frac{8}{15}$

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25. Arrange the following fraction in descending order:

$\frac{5}{7}, \frac{9}{14}, \frac{17}{21}$ and $\frac{31}{42}$

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26. Arrange the following fraction in descending order:

$$\frac{1}{12}, \frac{1}{23}, \frac{1}{7}, \frac{1}{9}, \frac{1}{17}, \frac{1}{50}$$

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27. Arrange the following fraction in descending order:

$$\frac{3}{7}, \frac{3}{11}, \frac{3}{5}, \frac{3}{13}, \frac{3}{4}, \frac{3}{17}$$

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28. Lalita read 30 pages of a book contanining 100 pages while Sarita read $\frac{2}{5}$ of the books. Who read more ?

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29. Rafiq exercised for $\frac{2}{3}$ hour, while Rohit exarcised for $\frac{3}{4}$ hour. Who exercised for a longer time?

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30. In a school 20 student out of 25 passed in Vi A. while 24 out of 30 passed in VI B. Which section gave better result?

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Exercise 5 E

1. Find the sum

$$\frac{5}{8} + \frac{1}{8}$$

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2. Find the sum

$$\frac{4}{9} + \frac{8}{9}$$

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3. Find the sum

$$1\frac{3}{5} + 2\frac{4}{5}$$

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4. Find the sum

$$\frac{2}{9} + \frac{5}{6}$$

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5. Find the sum

$$\frac{7}{12} + \frac{9}{16}$$

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6. Find the sum

$$\frac{4}{15} + \frac{17}{20}$$

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7. Find the sum

$$2\frac{3}{4} + 5\frac{5}{6}$$

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8. Find the sum

$$3\frac{1}{8} + 1\frac{5}{12}$$

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9. Find the sum

$$2\frac{7}{10} + 3\frac{8}{15}$$

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10. Find the sum

$$3\frac{2}{3} + 1\frac{5}{6} + 2$$

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11. Find the sum

$$3 + 1\frac{4}{15} + 1\frac{3}{20}$$

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12. Find the sum

$$3\frac{1}{3} + 4\frac{1}{4} + 6\frac{1}{6}$$

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13. Find the sum

$$\frac{2}{3} + 3\frac{1}{6} + 4\frac{2}{9} + 2\frac{5}{18}$$

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14. Find the sum

$$2\frac{1}{3} + 1\frac{1}{4} + 2\frac{5}{6} + 3\frac{7}{12}$$

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15. Find the sum

$$2 + \frac{3}{4} + 1\frac{5}{8} + 3\frac{7}{16}$$

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16. Rohit bought a pencil for Rs $3\frac{2}{5}$ and an eraser for Rs $2\frac{7}{10}$ What is the total cost of both the articles?

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17. Sohini bought $4\frac{1}{2}$ m of cloth for her kurta and $2\frac{7}{10}$ m of cloth for her pyjamas. How much cloth did she purchase in all?

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18. While coming back home from his school. Kishan covered $4\frac{3}{4}\text{km}$ by rickshaw and $1\frac{1}{2}\text{km}$ on foot. What is the distance of his house from the school?

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19. The weight of an empty gas cylinder is $16\frac{4}{5}\text{kg}$ and it contains $14\frac{2}{3}\text{kg}$ of gas. What is the weight of the cylinder filled with gas?

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Exercise 5 F

1. Find the difrence

$$\frac{5}{8} - \frac{1}{8}$$

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2. Find the difrence

$$\frac{7}{12} - \frac{5}{12}$$

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3. Find the difrence

$$4\frac{3}{7} - 2\frac{4}{7}$$

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4. Find the difrence

$$\frac{5}{6} - \frac{4}{9}$$

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5. Find the difference

$$\frac{1}{2} - \frac{3}{8}$$

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6. Find the difrencence

$$\frac{5}{8} - \frac{7}{12}$$

Watch Video Solution

7. Find the difrence

$$2\frac{7}{9} - 1\frac{8}{15}$$

Watch Video Solution

8. Find the difrence

$$3\frac{5}{8} - 2\frac{5}{12}$$

Watch Video Solution

9. Find the difrence

$$2\frac{3}{10} - 1\frac{7}{15}$$

Watch Video Solution

10. Find the difrence

$$6\frac{2}{3} - 3\frac{3}{4}$$

Watch Video Solution

11. Find the difrence

$$7 - 5\frac{2}{3}$$

Watch Video Solution

12. Find the difrence

$$10 - 6\frac{3}{8}$$

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13. Simpilfy:

$$\frac{5}{6} - \frac{4}{9} + \frac{2}{3}$$

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14. Simpilfy:

$$\frac{5}{8} + \frac{3}{4} - \frac{7}{12}$$

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15. Simpilfy:

$$2 + \frac{11}{15} - \frac{5}{9}$$

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16. Simpilfy:

$$5\frac{3}{4} - 4\frac{5}{12} + 3\frac{1}{6}$$

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17. Simpilfy:

$$2 + 5\frac{7}{10} - 3\frac{14}{15}$$

Watch Video Solution

18. Simpilfy:

$$8 - 3\frac{1}{2} - 2\frac{1}{4}$$

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19. Simpilfy:

$$8\frac{5}{6} - 3\frac{3}{8} + 2\frac{7}{12}$$

Watch Video Solution

20. Simpilfy:

$$6\frac{1}{6} - 5\frac{1}{5} + 3\frac{1}{3}$$

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21. Simpilfy:

$$3 + 1\frac{1}{5} + \frac{2}{3} - \frac{7}{15}$$

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22. What should be added to $9\frac{2}{3}$ to get 19?

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23. What should be added to $6\frac{7}{15}$ to get $8\frac{1}{5}$?

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24. Subtract the sum of $3\frac{5}{9}$ and $3\frac{1}{3}$ from the sum of $5\frac{5}{6}$ and $4\frac{1}{9}$

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25. Of $\frac{3}{4}$ and $\frac{5}{7}$, which is greater and by how much?

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26. Mrs Soni bought $7\frac{1}{2}$ litres of milk. Out of this milk. $5\frac{3}{4}$ litres was consumed. How much milk is left with her?

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27. A film show lasted for $3\frac{1}{3}$ hours. Out of this time. $1\frac{3}{4}$ hours was spent on advertisments. what was the actual duration of the film?

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28. In one day. A rickshaw puller earned Rs $137\frac{1}{2}$ Out of this money. He spent rs. $56\frac{3}{4}$ on food How much money is left with him?

A. Rs. $80\frac{5}{9}$

B. Rs. $82\frac{1}{4}$

C. Rs. $77\frac{3}{4}$

D. Rs. $80\frac{3}{4}$

Answer: D

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29. A piece of wire, $2\frac{3}{4}$ metres long, broke into two pieces. One piece is $\frac{5}{8}$ metre long. How long is the other piece?

A. $2\frac{3}{8}$

B. $2\frac{1}{8}$

C. $3\frac{1}{8}$

D. none of the above

Answer: B

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Exercise 5 G

1. A fraction equlvalent to $\frac{3}{5}$ is

A. $\frac{3+2}{5+2}$

B. $\frac{3-2}{5-2}$

C. $\frac{3\times 2}{5\times 2}$

D. all of these

Answer: D

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2. A fraction equlvalent to $\frac{8}{12}$ is

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3. A fraction equlvalent to $\frac{24}{36}$ is

A. $\frac{3}{4}$

B. $\frac{2}{3}$

C. $\frac{8}{12}$

D. none of these

Answer: B

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4. If $\frac{3}{4}$ is equivalent to $\frac{x}{20}$ then value of x is

A. 15

B. 18

C. 12

D. none of these

Answer: A

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5. if $\frac{45}{60}$ is equivalent to $\frac{3}{x}$ then value of x is

A. 4

B. 5

C. 6

D. 20

Answer: A

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6. Which of the following are like fraction?

A. `(2)/(5),(2)/(7),(2)/(9),(2)/(11)

B. (2)/(3),(3)/(4),(4)/(5),(5)/(6)`

C. `(1)/(8),(3)/(8),(5)/(8),(7)/(8)

D. none of these

Answer: C

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7. Which of the following is a proper fraction?

A. $\frac{5}{3}$

B. 5

C. $1\frac{2}{5}$

D. $\frac{3}{3}$

Answer: D

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8. Which of the following is a proper fraction?

A. $\frac{8}{8}$

B. $1\frac{7}{8}$

C. $\frac{8}{7}$

D. none of these

Answer: A

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9. Which of the following statements is correct?

A. $\frac{3}{4} < \frac{3}{5}$

B. $\frac{3}{4} > \frac{3}{5}$

C. $\frac{3}{4}$ and $\frac{3}{5}$ cannot be compared

D. none of these

Answer: B

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10. The smallest of the fractions $\frac{3}{5}, \frac{2}{3}, \frac{5}{6}, \frac{7}{10}$ is

A. $\frac{2}{3}$

B. $\frac{7}{10} \frac{3}{5}$

C. $\frac{3}{5}$

D. $\frac{5}{6}$

Answer: C

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11. The largest of the fractions `(4)/(5), (4)/(7), (4)/(9) (4)/(11) is

A. $\frac{4}{11}$

B. `(4)/(5)

C. $\frac{4}{7}$

D. $\frac{4}{9}$

Answer: B

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12. The smallest of the fractions `(6)/(11), (7)/(11), (8)/(11), (9)/(11) is

A. $\frac{6}{11}$

B. `(7)/(11)

C. $\frac{8}{11}$

D. $\frac{9}{11}$

Answer: A

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13. The smallest of the fractions $\frac{3}{4}, \frac{5}{6}, \frac{7}{12}, \frac{2}{3}$

A. $\frac{2}{3}$

B. `(3)/(4)

C. $\frac{5}{6}$

D. $\frac{7}{12}$

Answer: D

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14. $\frac{43}{5} = ?$

A. $\frac{17}{5}$

B. $\frac{23}{5}$

C. $\frac{17}{3}$

D. none of these

Answer: B

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15. $\frac{34}{7} = ?$

A. $3\frac{4}{7}$

B. $7\frac{3}{4}$

C. `4(6)/(7)

D. none of these

Answer: C

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16. simplify 5/8+1/8=?

A. $\frac{3}{8}$

B. `(3)/(4)

C. 6

D. none of these

Answer: B

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17. $\frac{5}{8} - \frac{1}{8}$=?

A. $\frac{1}{4}$

B. `(1)/(2)

C. $\frac{1}{16}$

D. none of these

Answer: B

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18. $3\frac{3}{4} - 2\frac{1}{4} = ?$

A. $1\frac{1}{2}$

B. $1\frac{1}{4}$

C. $\frac{1}{4}$

D. none of these

Answer: A

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19. $\frac{5}{6} + \frac{2}{3} - \frac{4}{9}$=?

A. $1\frac{1}{3}$

B. $1\frac{1}{6}$

C. $1\frac{1}{9}$

D. $1\frac{1}{18}$

Answer: D

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20. Which is greater: $3\frac{1}{3}$ or $\frac{33}{10}$?

A. $3\frac{1}{3}$

B. $\frac{33}{10}$

C. bothare equal

D. none of these

Answer: C

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Test Paper 5

1. Define a fraction. Give five examples of fractions.

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2. What fraction of an hour is 35 minutes?

A. $\frac{7}{12}$

B. $\frac{7}{60}$

C. $\frac{12}{7}$

D. None of these

Answer: A

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3. Find the equivalent fraction of $5/8$ with denominator 56.

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4. Represent $2\frac{3}{5}$ on the number line.

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5. Find the sum $2\frac{4}{5} + 1\frac{3}{10} + 3\frac{1}{15}$

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6. The cost of a pen is Rs $16\frac{2}{3}$ and that of a pencil is Rs $4\frac{1}{6}$ Which costs more ?

A. Pen

B. Pencil

C. Can not be determined

D. None of these

Answer: A

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7. Of $\frac{3}{4}$ and $\frac{5}{7}$. which is greater and by how much?

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8. Convert the fractions $\frac{1}{2}$. $\frac{2}{3}$. $\frac{4}{9}$ and $\frac{5}{6}$ into like fractions.

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9. Find the equivalent fraction of $\frac{3}{5}$ having denominator 30.

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10. Reduce $\frac{84}{98}$ to the simplest form.

A. $\frac{16}{7}$

B. `(6)/(49)

C. $\frac{42}{7}$

D. $\frac{6}{7}$

Answer: D

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11. $\frac{24}{11}$ is an example of

A. a proper fraction

B. an improper fraction

C. a mixed fraction

D. none of these

Answer: B

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12. $\frac{3}{8}$ is an example of

A. a proper fraction

B. an improper fraction

C. a mixed fraction

D. none of these

Answer: A

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13. $\frac{3}{8}$ and $\frac{5}{12}$ on comparison give

A. $\frac{3}{8} < \frac{5}{12}$

B. $\frac{3}{8} > \frac{5}{12}$

C. $\frac{3}{8} = \frac{5}{12}$

D. none of these

Answer: B

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14. The largest of the fractions $\frac{2}{3}, \frac{5}{9}, \frac{1}{2}$ and $\frac{7}{12}$ is

A. $\frac{2}{3}$

B. $\frac{5}{9}$

C. $\frac{7}{12}$

D. $\frac{1}{2}$

Answer: C

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15. $3\frac{3}{4} - 1\frac{1}{2} = ?$

A. $2\frac{1}{2}$

B. $2\frac{1}{4}$

C. $1\frac{1}{2}$

D. $1\frac{1}{4}$

Answer: B

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16. Which of the following are like fractions?

A. $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}$

B. $\frac{2}{5}, \frac{2}{7}, \frac{2}{9}, \frac{2}{11}$

C. $\frac{1}{8}, \frac{3}{8}, \frac{5}{8}, \frac{7}{8}$

D. none of these

Answer: C

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17. $? - \frac{8}{21} = \frac{8}{21}$

A. 0

B. 1

C. $\frac{21}{8}$

D. $\frac{-8}{21}$

Answer: A

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18. Fill in the blank:

(i) $9\frac{2}{3} + \ldots\ldots = 19$

(ii) $6\frac{1}{6} - ? = \frac{29}{30}$

(iii) $7 - 5\frac{2}{3} =$ .....

(iv) $\frac{72}{90}$ reduced to simplest from is .....

(v) $\frac{42}{54} = \frac{7}{\square}$

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19. Write 'T' for true for each of the statement given below:

(i) $3\frac{1}{3} > \frac{33}{10}$

(ii) $8 - 1\frac{5}{6} = 7\frac{1}{6}$

(iii) $\frac{1}{2}.\ \frac{1}{3}$ and $\frac{1}{4}$ are like fractuions.

(iv) $\frac{3}{5}$ lies between 3 and 5.

(v) Among $\frac{1}{2}, \frac{1}{3}, \frac{3}{4}, \frac{4}{3}$ the largest fraction is $\frac{4}{3}$

A. $(ii), (iii)$ and (v)

B. $(i), (iv)$ and (v)

C. (i) and (v)

D. None of the above

Answer: C

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