



# MATHS

## BOOKS - RS AGGARWAL MATHS (HINGLISH)

### FRACTIONS

#### Example Addition And Subtraction Of Fractions

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

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

$$(ii) 4\frac{5}{7}$$

$$(iii) 7\frac{9}{13}$$

$$12\frac{6}{25}$$



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

$$(i) \frac{38}{7}$$

$$(ii) \frac{47}{15}$$

$$(iii) \frac{189}{16}$$



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3. Convert the fractions  $\frac{5}{6}$ ,  $\frac{7}{9}$ ,  $\frac{11}{12}$  into like fractions



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4. Convert  $\frac{84}{98}$  into irreducible form



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5. Compare the fractions

(i)  $\frac{3}{5}$ ,  $\frac{5}{8}$

(ii)  $\frac{9}{16}$ ,  $\frac{13}{24}$



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6. Arrange the fractions  $\frac{2}{5}$ ,  $\frac{3}{10}$ ,  $\frac{9}{14}$ ,  $\frac{16}{35}$  in ascending order



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7. Add:  $\frac{3}{10} + \frac{8}{15}$

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

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

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

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

**Answer: C**



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8. Find the sum:  $\frac{13}{14} + \frac{27}{35}$

A.  $1\frac{7}{10}$

B.  $1\frac{3}{10}$

C.  $2\frac{7}{10}$

D.  $1\frac{7}{5}$

**Answer: A**



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9. Find the difference:

(i)  $\frac{7}{9} - \frac{5}{9}$

(ii)  $\frac{13}{16} - \frac{7}{12}$

(iii)  $\frac{11}{15} - \frac{9}{20}$



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10. Simplify  $\frac{5}{9} - \frac{7}{12} + \frac{1}{2}$

A.  $\frac{11}{36}$

B.  $\frac{15}{36}$

C.  $\frac{17}{36}$

D. none

**Answer: C**



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11. Simplify  $3\frac{1}{5} + 2\frac{1}{10} - 1\frac{1}{2} - \frac{1}{4}$



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12. Sarita bought  $5\frac{3}{4}$  kg potatoes and  $3\frac{1}{2}$  kg tomatoes from a vendor. What is the total weight of vegetables bought by her?

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

B.  $9\frac{1}{4}$  kg

C.  $5\frac{1}{4}$  kg

D. None of these

**Answer: B**



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13. Rohit ate  $\frac{4}{7}$  part of an apple and his sister Ritu ate the remaining part of it? Who ate more and by how much?



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14. What should be added to  $15\frac{2}{3}$  to get  $17\frac{5}{6}$ ?

A.  $4\frac{1}{6}$

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

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

D.  $2\frac{1}{6}$

**Answer: D**



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15. What should be subtracted from  $17\frac{3}{4}$  to get  $11\frac{2}{3}$ ?



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**Example Multiplication Of Fractions**

1. Find the product:

$$(i) \frac{5}{8} \times \frac{3}{4}$$

$$(ii) \frac{3}{4} \times \frac{5}{2}$$

$$(iii) \frac{9}{16} \times \frac{8}{15}$$

$$(iv) \frac{5}{12} \times 9$$



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2. Multiply:

$$(i) 7\frac{5}{9} \text{ by } \frac{3}{2}$$

(ii)  $9\frac{3}{8}$  by 12

(iii)  $6\frac{11}{14}$  by  $3\frac{1}{2}$



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3. Simplify:  $\frac{14}{25} \times \frac{35}{51} \times \frac{34}{49}$



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4. Simplify:  $3\frac{4}{7} \times 2\frac{2}{5} \times 1\frac{3}{4}$

A. 25

B. 35

C. 15

D. 5

**Answer: C**



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**5. Find:**

(i)  $\frac{2}{5}$  of 40

(ii)  $\frac{5}{9}$  of 48

(iii)  $\frac{11}{14}$  of 63



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6. Find:

(i)  $\frac{1}{5}$  of a rupee

(ii)  $\frac{2}{3}$  of the year

(iii)  $\frac{5}{8}$  of the day

(iv)  $\frac{7}{8}$  of the kilogram

(v)  $\frac{11}{25}$  of a liter

(vi)  $\frac{4}{5}$  of an hour



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7. Milk is sold at Rs  $16\frac{3}{4}$  per litre. Find the cost of  $6\frac{2}{5}$  litres of milk



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8. Sajal can walk  $2\frac{2}{5}$  km in an hour. How much distance will he cover in  $3\frac{1}{3}$  hours?



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9. A carton contains 16 boxes of nails and each box weighs  $4\frac{3}{4}$  kg. How much would a carton



of nails weigh?



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**10.** A book consists of 216 pages. During last week Vikas read  $\frac{3}{4}$  of the book. How many pages did he read?



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**11.** A tin contains 16 kg ghee. After consuming  $\frac{3}{4}$  of it, how much ghee is left in the tin?

A. 4 kg

B. 7 kg

C. 8 kg

D. 9 kg

**Answer: A**



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**12.** Renu spends  $\frac{4}{5}$  of her income on household expenses. Her monthly income is Rs 30000. How much does she save every month?

A. Rs 4000

B. Rs 5000

C. Rs 6000

D. Rs 7000

**Answer: C**



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**Example Division Of Fractions**

1. Write down the reciprocal of

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

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

(iii) 6

(iv)  $3\frac{5}{8}$



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2. Simplify:

(i)  $\frac{4}{9} \div \frac{5}{6}$

$$(ii) \frac{5}{7} \div 10$$

$$(iii) 5\frac{3}{5} \div 2\frac{1}{10}$$



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**3. Divide:**

$$(i) \frac{5}{9} \text{ by } \frac{2}{3}$$

$$(ii) 5\frac{4}{7} \text{ by } \frac{13}{14}$$

$$(iii) 4\frac{2}{7} \text{ by } 2\frac{2}{5}$$



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4. Divide:

(i) 28 by  $\frac{7}{4}$

(ii) 36 by  $6\frac{2}{3}$



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5. A rope of length  $9\frac{3}{4}$  m is cut into 6 pieces of equal length. Find the length of each piece



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6. If the cost of  $5\frac{2}{5}$  litres of milk is Rs  $236\frac{1}{4}$ ,  
find its cost per litre



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7. The cost of  $5\frac{1}{4}$  kg of mangoes is Rs 231. At  
what rate per kg are the mangoes being sold?



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8. The product of two numbers is  $15\frac{5}{6}$ . If one of the numbers is  $6\frac{2}{3}$ , find the other.



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9. By what number should  $6\frac{2}{9}$  be multiplied to get 40?

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

B.  $9\frac{3}{7}$

C.  $6\frac{3}{7}$



D.  $5\frac{3}{7}$

**Answer: C**



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## Exercise 2 A

**1. Compare the fractions:**

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

(ii)  $\frac{5}{9}$  and  $\frac{11}{15}$

(iii)  $\frac{11}{12}$  and  $\frac{15}{16}$



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2. Arrange the following fractions in ascending order:

(i)  $\frac{3}{4}, \frac{5}{6}, \frac{7}{9}, \frac{11}{12}$

(ii)  $\frac{4}{5}, \frac{7}{10}, \frac{11}{15}, \frac{17}{20}$



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3. Arrange the following fractions in descending order

$$(i) \frac{3}{4}, \frac{7}{8}, \frac{7}{12}, \frac{17}{24}$$

$$(ii) \frac{2}{3}, \frac{3}{5}, \frac{7}{10}, \frac{8}{15}$$



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4. Reenu got  $\frac{2}{7}$  part of an apple while Sonal got  $\frac{4}{5}$  part of it. Who got the larger part and how much?

A. Sonal,  $\frac{18}{35}$

B. Reenu,  $\frac{18}{35}$

C. Sonal,  $\frac{19}{35}$

D. Sonal,  $\frac{17}{35}$

**Answer: A**



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**5. Find the sum:**

(i)  $\frac{5}{9} + \frac{3}{9}$

(ii)  $\frac{8}{9} + \frac{7}{12}$

(iii)  $\frac{5}{6} + \frac{7}{8}$

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

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

$$(vi) 8\frac{3}{4} + 10\frac{2}{5}$$



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6. Find the difference:

$$(i) \frac{5}{7} - \frac{2}{7}$$

$$(ii) \frac{5}{6} - \frac{3}{4}$$

$$(iii) 3\frac{1}{5} - \frac{7}{10}$$

$$(iv) 7 - 4\frac{2}{3}$$

$$(v) 3\frac{3}{10} - 1\frac{7}{15}$$

$$(vi) 2\frac{5}{9} - 1\frac{7}{15}$$



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7. Simplify

$$(i) \frac{2}{3} + \frac{5}{6} - \frac{1}{9}$$

$$(ii) 8 - 4\frac{1}{2} - 2\frac{1}{4}$$

$$(iii) 8\frac{5}{6} - 3\frac{3}{8} + 1\frac{7}{12}$$



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8. Aneeta bought  $3\frac{3}{4}$  kg apples and  $4\frac{1}{2}$  kg guava. What is the total weight of fruits purchased by her?

A.  $7\frac{1}{4}kg$

B.  $8\frac{1}{4}kg$

C.  $9\frac{1}{4}kg$

D.  $6\frac{1}{4}kg$

**Answer: B**



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9. A rectangular sheet of paper is  $15\frac{3}{4}$  cm long and  $12\frac{1}{2}$  cm wide. Find its perimeter.

A.  $36\frac{1}{2}$  cm

B.  $66\frac{1}{2}$  cm

C.  $56\frac{1}{2}$  cm

D.  $46\frac{1}{2}$  cm

**Answer: C**



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**10.** A picture is  $7\frac{3}{5}$  cm wide. How much should it be trimmed to fit in a frame  $7\frac{3}{10}$  cm wide?





11. What should be added to  $7\frac{3}{5}$  to get 18?

A.  $13\frac{3}{5}$

B.  $10\frac{2}{5}$

C.  $11\frac{2}{5}$

D.  $13\frac{2}{5}$

**Answer: A**



12. What should be added to  $7\frac{4}{15}$  — to get  $8\frac{2}{5}$  — ?



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13. A piece of wire  $3\frac{3}{4}$  m long broke into two pieces. One piece is  $1\frac{1}{2}$  m long. How long is the other piece?



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14. A film show lasted for  $3\frac{2}{3}$  hours. Out of this time  $1\frac{1}{2}$  hours was spent on advertisements. What was the actual duration of the film?



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15. Of  $\frac{2}{3}$  and  $\frac{5}{9}$ , which is greater and by how much?



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16. The cost of a pen is Rs  $16\frac{3}{5}$  and that of a pencil is Rs  $4\frac{3}{4}$ . Which costs more and by how much



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## Exercise 2 B

1. Find the product:

(i)  $\frac{3}{5} \times \frac{7}{11}$

(ii)  $\frac{5}{8} \times \frac{4}{7}$

(iii)  $\frac{4}{9} \times \frac{4}{16}$

$$(iv) \frac{8}{15} \times 20$$

$$(v) \frac{5}{8} \times 1000$$

$$(vi) 3\frac{1}{8} \times 16$$

$$(vii) 2\frac{4}{15} \times 12$$

$$(viii) 3\frac{6}{7} \times 4\frac{2}{3}$$



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## 2. Simplify

$$(i) \frac{2}{3} \times \frac{5}{44} \times \frac{33}{35}$$

$$(ii) \frac{12}{25} \times \frac{15}{28} \times \frac{35}{36}$$

$$(iii) \frac{10}{27} \times \frac{28}{65} \times \frac{39}{56}$$

$$(iv) 1\frac{4}{7} \times 1\frac{13}{22} \times 1\frac{1}{15}$$

$$(v) 2\frac{2}{17} \times 7\frac{2}{9} \times 1\frac{33}{52}$$



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**3. Find:**

$$(a) \frac{1}{3} \text{ of } 24$$

$$(b) \frac{3}{4} \text{ of } 32$$

$$(c) \frac{5}{9} \text{ of } 45$$

$$(d) \frac{7}{50} \text{ of } 1000$$

$$(e) \frac{3}{20} \text{ of } 2020$$

$$(f) \frac{5}{11} \text{ of } 220$$

(g)  $\frac{4}{9}$  of 54 meter

(h)  $\frac{6}{7}$  of 35 liter

(i)  $\frac{1}{6}$  of an hour

(j)  $\frac{5}{6}$  of a year

(k)  $\frac{7}{20}$  of kg

(l)  $\frac{9}{20}$  of a meter

(m)  $\frac{7}{8}$  of a day

(n)  $\frac{3}{7}$  of a week

(o)  $\frac{7}{50}$  of a liter



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4. Apples are sold at Rs  $48\frac{4}{5}$  per kg. What is the cost of  $3\frac{3}{4}$  kg of apples?



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5. Cloth is being sold at Rs  $42\frac{1}{2}$  per metre. What is the cost of  $5\frac{3}{5}$  metres of this cloth?



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6. A car covers a certain distance at a uniform speed of  $66\frac{2}{3}$  km per hour. How much distance will it cover in 9 hours?



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7. One tin holds  $12\frac{3}{4}$  litres of oil. How many litres of oil can 26 such tins hold?



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8. For a particular show in a circus, each ticket costs Rs  $35\frac{1}{2}$ . If 308 tickets are sold for the 2 show, how much amount has been collected?

A. Rs19, 784

B. Rs9, 934

C. Rs10, 934

D. Rs10, 000

**Answer: C**



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9. Nine boards are stacked on the top of each other. The thickness of each board is  $3\frac{2}{3}$  cm. How high is the stack?



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10. Rohit takes  $4\frac{4}{5}$  minutes to make a complete round of a circular park. How much time will he take to make 15 rounds



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11. Amit weight 35 kg. his sister kavita's weight is  $\frac{3}{5}$  of amit's weight. How much does kavita's weight?



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12. There are 42 students in a class and  $\frac{5}{7}$  of the students are boys. How many girls are there in the class?

A. 10

B. 12

C. 30

D. 15

**Answer: B**



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**13.** Sapna earns Rs 24,000 per month. She spends  $\frac{7}{8}$  of her income and deposits rest of the 8 money in a bank. How much money does she deposit in the bank each month?

A. Rs 4000

B. Rs 9000

C. Rs 8000

D. Rs 3000

**Answer: D**



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**14.** Each side of a square field is  $4\frac{2}{3}$  m. Find its area



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**15.** Find the area of the rectangular park which is  $41\frac{2}{3}$  m long and  $18\frac{3}{5}$  m broad?



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## Exercise 2 C

**1.** Write down the reciprocal of:

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

(ii) 7

$$(iii) \frac{1}{12}$$

$$(iv) 12\frac{3}{5}$$



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## 2. Simplify

$$Q \frac{4}{7} \div \frac{9}{14}$$

$$(ii) \frac{7}{10} \div \frac{3}{5}$$

$$(iii) \frac{8}{9} \div 16$$

$$(iv) 9 \div \frac{1}{3}$$

$$(v) 24 \div \frac{6}{7}$$

$$(vi) 3\frac{3}{5} \div \frac{4}{5}$$



$$(vii) 3\frac{3}{7} \div \frac{8}{21}$$

$$(viii) 5\frac{4}{7} \div 1\frac{3}{10}$$

$$(ix) 15\frac{3}{7} \div 1\frac{23}{49}$$



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**3. Divide:**

$$(i) \frac{11}{24} \text{ by } \frac{7}{8}$$

$$(ii) 6\frac{7}{8} \text{ by } \frac{11}{16}$$

$$(iii) \frac{5}{9} \text{ by } 3\frac{3}{1}$$

$$(iv) 32 \text{ by } 1\frac{3}{5}$$

(v)  $45 \text{ by } 1\frac{4}{5}$

(vi)  $63 \text{ by } 2\frac{1}{4}$



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4. A rope of length  $13\frac{1}{2}$  m has been divided into 9 pieces of the same length. What is the length of each piece?



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5. 18 boxes of nails weigh equally and their total weight is  $49\frac{1}{2}$  kg. How much does each box weigh?



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6. By selling oranges at the rate of Rs  $6\frac{3}{4}$  — per orange, a man gets Rs 378. How many oranges does he sell?



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7. Mangoes are sold at Rs  $43\frac{1}{2}$  i per kg. What is the weight of mangoes available for Rs  $326\frac{1}{4}$  ?



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8. Vikas can cover a distance of  $20\frac{2}{3}$  — km in  $7\frac{3}{4}$  hours on foot. How many km per hour does he walk?



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9. Preeti bought  $8\frac{1}{2}$  — kg of sugar for Rs  $242\frac{1}{4}$ . Find the price of sugar per kg.



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10. If the cost of a notebook is Rs  $27\frac{3}{4}$ , how many notebooks can be purchased for Rs  $249\frac{3}{4}$  ?



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11. At a charity show the price of each ticket was Rs  $32\frac{1}{2}$ . The total amount collected by a boy was Rs  $877\frac{1}{2}$ . How many tickets were sold by him?



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12. A group of students arranged a picnic. Each student contributed Rs  $261\frac{1}{2}$ . The total contribution was Rs  $2876\frac{1}{2}$ . How many students are there in the group?





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**13.** 24 litres of milk was distributed equally among all the students of a hostel. If each student  $\frac{2}{5}$  got — litre of milk, how many students are there in the hostel?



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**14.** A bucket contains  $20\frac{1}{4}$  litres of water. A small jug has a capacity of  $\frac{3}{4}$  litre. How many

times the jug has to be filled with water from the bucket to get it emptied?



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15. The product of two numbers is  $15\frac{5}{6}$ . If one of the numbers is  $6\frac{1}{3}$ , find the other.



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16. By what number should  $9\frac{4}{5}$  be multiplied to get 42?





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17. By what number should  $6\frac{2}{9}$  be divided to obtain  $4\frac{2}{3}$ ?



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## Exercise 2 D

1. Which of the following is a vulgar fraction?

$\frac{3}{10}$   $\frac{13}{10}$   $\frac{10}{3}$  none of these

A.  $\frac{3}{10}$

B.  $\frac{13}{10}$

C.  $\frac{10}{3}$

D. none of these

**Answer: C**



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2. Which of the following is an improper

fraction?  $\frac{7}{10}, \frac{7}{9}, \frac{9}{7}, \frac{7}{7}$

A.  $\frac{7}{10}$

B.  $\frac{7}{9}$

C.  $\frac{9}{7}$

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

**Answer: C**



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3. Which of the following is a reducible

fraction?  $\frac{105}{112}$   $\frac{104}{121}$   $\frac{77}{72}$   $\frac{46}{63}$

A.  $\frac{105}{112}$

B.  $\frac{104}{121}$

C.  $\frac{77}{72}$

D.  $\frac{46}{63}$

**Answer: A**



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4.  $\frac{2}{3}, \frac{4}{6}, \frac{6}{9}, \frac{8}{12}$  are

A. like fractions

B. irreducible fractions

C. equivalent fraction

D. none of these

**Answer: C**



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5. Which of the following statements is true?

A.  $\frac{9}{16} = \frac{13}{24}$

B.  $\frac{9}{16} < \frac{13}{24}$

C.  $\frac{9}{16} > \frac{13}{24}$

D. none of these

**Answer: C**



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6. Reciprocal of  $1\frac{3}{4}$

A.  $1\frac{4}{3}$

B.  $4\frac{1}{3}$

C.  $3\frac{1}{4}$

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

**Answer: D**



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

A.  $\frac{11}{10}$

B.  $\frac{11}{15}$

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

D. none of these

**Answer: C**



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8.  $[3\frac{1}{4} - 2\frac{1}{3}]$

A.  $1\frac{1}{12}$

B.  $\frac{1}{12}$

C.  $1\frac{1}{11}$

D.  $\frac{11}{12}$

**Answer: A::B**





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$$9.36 \div \frac{1}{4}$$

A. 9

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

C.  $\frac{1}{144}$

D. 144

**Answer: D**



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10. By what number should  $2\frac{3}{5}$  be multiplied to get  $1\frac{6}{7}$

A.  $1\frac{5}{7}$

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

C.  $1\frac{1}{7}$

D.  $\frac{1}{7}$

**Answer: B**



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11. By what number should  $1\frac{1}{2}$  be divided to get  $\frac{2}{3}$ ?

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

B.  $1\frac{9}{10}$

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

D. none of these

**Answer:**



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12.  $1\frac{3}{5} \div \frac{2}{3}$

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

B.  $1\frac{9}{10}$

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

D.  $\frac{7}{15}$

**Answer: A**



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13.  $\frac{21}{5} / 1\frac{1}{5} = ?$

A. 1

B. 2

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

D.  $1\frac{5}{6}$

**Answer: A**



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**14.** The reciprocal of  $1\frac{2}{3}$  is

A.  $3\frac{1}{2}$

B.  $2\frac{1}{3}$

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

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

**Answer: C**



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**15.** Which one of the following is the correct statement?

A.  $\frac{2}{3} < \frac{3}{5} < \frac{14}{15}$

B.  $\frac{3}{5} < \frac{2}{3} < \frac{14}{15}$

C.  $\frac{14}{15} < \frac{3}{5} < \frac{2}{3}$

D. none of these

**Answer: B**



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**16.** A car runs 16 km using 1 litre of petrol. How much distance will it cover in  $2\frac{3}{4}$  litres of petrol?

A. 24 km

B. 36 km

C. 44 km

D.  $32\frac{3}{4}$

**Answer: C**



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**17.** Lalit reads a book for  $1\frac{3}{4}$  hours every day and reads the entire book in 6 days. How many hours does he take to read the entire book?



A.  $10\frac{1}{2}$  hours

B.  $9\frac{1}{2}$  hours

C.  $7\frac{1}{2}$  hours

D.  $11\frac{1}{2}$  hours

**Answer: A**



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**Test Paper 2**

1. Define:

Q (i) Fractions

(ii) Vulgar fractions

(iii) Improper fractions



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2. What should be added to  $6\frac{3}{5}$  to get 15?

A.  $8\frac{2}{5}$

B.  $7\frac{2}{5}$

C.  $8\frac{1}{5}$

D. none of these

**Answer: A**



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3. Simplify  $9\frac{5}{6} - 4\frac{3}{8} + 2\frac{7}{12}$



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4. Find

(i)  $\frac{12}{25}$  of a liter

(ii)  $\frac{5}{8}$  of a kilogram

(iii)  $\frac{3}{5}$  of an hour

A. 490 ml, 620 g, 59 min

B. 480 ml, 625 g, 36 min

C. 400 ml, 605 g, 72 min

D. 450 ml, 525 g, 46 min

**Answer: B**



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5. Milk is sold at Rs  $37\frac{3}{4}$  per litre. Find the cost of  $6\frac{2}{5}$  litres of milk.



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6. The cost of  $5\frac{1}{4}$  kg of mangoes is Rs 189. At what rate per kg are the mangoes being sold?



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7. Simplify :

$$1\frac{3}{4} \times 2\frac{2}{4} \times 3\frac{4}{7}$$

A. 15

B. 20

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

D. none of these

**Answer: A**



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8. Simplify :

$$5\frac{5}{9} \div 3\frac{1}{3}$$

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

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

C.  $1\frac{2}{3}$

D. both (b) and (c)

**Answer: D**



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9. By what number should  $6\frac{2}{9}$  be divided to obtain  $4\frac{2}{3}$  ?



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10. Each side of a square is  $5\frac{2}{3}$  m long. Find its area.



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11. Which of the following is a vulgar fraction?

$$\frac{7}{10} \quad \frac{19}{100} \quad 3\frac{3}{10} \quad \frac{5}{8}$$

A.  $\frac{7}{10}$

B.  $\frac{19}{100}$

C.  $3\frac{3}{10}$

D.  $\frac{5}{8}$

**Answer:**  $\frac{5}{8}$



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12. Which of the following is an irreducible fraction?  $\frac{66}{77}$   $\frac{46}{63}$   $\frac{51}{85}$

A.  $\frac{105}{112}$

B.  $\frac{66}{77}$

C.  $\frac{46}{63}$

D.  $\frac{51}{85}$

**Answer:**  $\frac{46}{63}$



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13. Reciprocal of  $1\frac{3}{5}$

A.  $\frac{5}{8}$

B.  $5\frac{1}{3}$

C.  $3\frac{1}{5}$

D.  $2\frac{5}{3}$

**Answer: A**



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14. Which of the following is correct?

A.  $\frac{2}{3} < \frac{3}{5} < \frac{11}{15}$

B.  $\frac{3}{5} < \frac{2}{3} < \frac{11}{15}$

C.  $\frac{11}{15} < \frac{3}{5} < \frac{2}{3}$

D.  $\frac{3}{5} < \frac{11}{15} < \frac{2}{3}$

**Answer: B**



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15. By what number should  $1\frac{3}{4}$  be divided to get  $2\frac{1}{2}$ ?

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

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

C.  $\frac{7}{10}$

D.  $1\frac{3}{7}$

**Answer: C**



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**16.** A car runs 9 km using 1 litre of petrol. How much distance will it cover in 3 litre petrol?



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17. Fill in the blanks

Q Reciprocal of  $8\frac{2}{5}$  is.....



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18. Fill in the blanks

$13\frac{1}{2} \div 8 = \dots\dots\dots$

A.  $7\frac{11}{16}$

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

C.  $1\frac{11}{16}$

D. none of these

**Answer: C**



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**19. Fill in the blanks**

Q69  $\frac{3}{4} \div 7\frac{3}{4} = \dots\dots\dots$



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20. Fill in the blanks

$$Q41 \frac{2}{3} \times 18 \frac{3}{5}$$



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21. Fill in the blanks

$$Q \frac{84}{98} \text{ (in irreducible form) } = \dots\dots$$



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22. Write 'T' for true and 'F' for false for each of the following:

$$Q \frac{9}{16} < \frac{13}{24}$$



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23. Write 'T' for true and 'F' for false for each of the following:

$$Q \frac{2}{5}, \frac{16}{35} \text{ and } \frac{9}{14}, \text{ the largest is } \frac{16}{35}$$



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24. Write 'T' for true and 'F' for false for each of the following:

$$\frac{11}{15} - \frac{9}{20} = \frac{17}{60}$$



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25. Write 'T' for true and 'F' for false for each of the following:

$$\frac{11}{25} \text{ of a litre} = 440mL$$



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**26.** Write 'T' for true and 'F' for false for each of the following:

$$Q11/25 \text{ of a liter} = 400\text{ml} \quad 16\frac{3}{4} \times 6\frac{2}{5} = 107\frac{3}{10}$$



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