

# International Indian School

BMS

FRACTIONS AND DECIMALS WORKSHEET 2014-15

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## CLASS 7

1. Add

a)  $\frac{2}{5} + \frac{3}{15} + \frac{7}{10}$  b)  $\frac{2}{5} + \frac{3}{4}$  c)  $\frac{6}{7} + \frac{5}{6}$  d)  $\frac{9}{16} + \frac{7}{12} + \frac{1}{4}$  e)  $\frac{5}{6} + \frac{2}{7} + \frac{8}{9} + \frac{1}{3}$

f)  $1\frac{7}{8} + 1\frac{1}{2} + 1\frac{3}{4}$  g)  $2\frac{2}{5} + 3\frac{3}{4} + 4\frac{1}{2}$  h)  $3\frac{1}{8} + 5\frac{5}{12} + \frac{5}{16}$  i)  $3\frac{3}{4} + 4\frac{1}{2}$  j)  $3\frac{3}{4} + 2\frac{1}{6} + 1\frac{5}{8}$

2. Subtract

a)  $\frac{11}{12} - \frac{13}{16}$  b)  $\frac{13}{14} - \frac{13}{21}$  c)  $\frac{11}{14} - \frac{26}{35}$  d)  $\frac{3}{4} - \frac{5}{9}$  e)  $\frac{8}{9} - \frac{5}{6}$

f)  $\frac{13}{24} - \frac{5}{16}$  g)  $2\frac{3}{4} - 1\frac{5}{6}$  h)  $7\frac{5}{8} - 3\frac{1}{6}$

3. Multiply

a)  $\frac{3}{4} \times 5$  b)  $\frac{5}{12} \times 8$  c)  $\frac{2}{3} \times \frac{4}{5}$  d)  $\frac{4}{7} \times \frac{1}{2}$  e)  $\frac{24}{35} \times \frac{7}{6}$   
f)  $\frac{7}{10} \times 1\frac{1}{4}$  g)  $\frac{3}{7} \times 4\frac{1}{5}$  h)  $1\frac{1}{2} \times \frac{1}{12}$  j)  $2\frac{2}{5} \times \frac{5}{18}$  k)  $3\frac{3}{8} \times 3\frac{6}{7}$

4. Divide

a)  $\frac{2}{3} \div \frac{3}{5}$  b)  $\frac{3}{8} \div \frac{4}{7}$  c)  $\frac{2}{3} \div 1\frac{1}{5}$  d)  $4\frac{1}{2} \div \frac{4}{9}$  e)  $1 \div \frac{2}{5}$   
f)  $\frac{4}{9} \div \frac{4}{9}$  g)  $2\frac{1}{3} \div 1\frac{3}{4}$  h)  $3\frac{1}{2} \div 2\frac{4}{9}$

5. Solve

a)  $4\frac{1}{2}$  of 4 b)  $\frac{1}{4}$  of  $2\frac{2}{7}$  c)  $\frac{1}{3}$  of 60  
d)  $\frac{5}{9}$  of  $\frac{9}{22}$  e)  $\frac{3}{4}$  of  $6\frac{1}{8}$  f)  $\frac{2}{5}$  of  $\frac{1}{12}$

6. Write in expanded form

a) 225.105 b) 10.001 c) 49.01  
d) 92.45 e) 2.007

7. Express the following in the units given in brackets

a) 55 paise (Rs) b) 8 Rs 40 paise (Rs) c) 8m 54 cm (m)  
d) 3m 8cm (m) e) 1078 gm (Kg) f) 8 gm (Kg)

8. Multiply

a)  $4.09 \times 5.6$  b)  $28.46 \times 7$  c)  $0.943 \times 62$  d)  $7.5 \times 2.5$  e)  $4.23 \times 0.8$

9. Multiply each of the following numbers by 10, 100 & 1000

a) 3.9 b) 2.89 c) 0.0829 d) 40.3 e) 0.3725

10. Divide each of the following numbers by 10, 100 & 1000

a)49.79 b) 923 c)70.4 d)937.3 e)520.81

11.Divide0

a)8.64÷6 b) 0.0064÷8 c) 8.64÷3.6 d)9.4÷0.47 e) 16.5÷0.15

f)3.2÷ 50 g) 3.24÷0.0016 h) 5.065÷ 0.05 i)36.8÷

1.6 j)60.42 ÷12

12.Solve the following

a)The cost of a fountain pen is Rs 13.25. Find the cost of 8 such pens.

b)The cost of 25 similar types of articles is Rs.28.25.Find the cost of one such article.

c)The length of an iron rod is 10.32 m.The rod is divided into 4 pieces of equal lengths.Find the length of each piece.

d)What will be the total length of cloth required for 6 pants if for each pant 1.15 m of cloth is required.

e)Find the distance walked by a boy in  $1\frac{1}{2}$  hours,if he walks 2.150 km in each hour.

f)Mr. Mehra gave one-third of his money to his son,one-fifth of his money to

his daughter and the remaining to his wife. If his wife gets 91000 how much money Mr. Mehra had originally.

g) a sum of rs. 84000 is divided among three persons A,B and C.If A gets one fourth of it and B gets one fifth of it,find how much does C get.

h)In one hour Rohit walks  $3\frac{2}{5}$  km.How much distance will he walk in  $2\frac{1}{2}$  hours.

g)A 84 m long string is cut into pieces each of length  $5\frac{1}{4}$  m.How many pieces are obtained.

h)In buying a readymade shirt,two-fifths of my pocket money is spent. If Rs. 540 is still left with me ,find;

i)the money I had before buying the shirt

ii) the cost of the shirt

Type equation here.