INTERNATIONAL INDIAN SCHOOL BURAIDAH
Worksheet for the Academic Year 2024-25
CLASS: 7 / SUBJECT: Maths
LESSON : 2 Fractions and Decimals
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1. Find.
   i) $\frac{1}{2}$ of : a) $5\frac{5}{4}$ b) $8\frac{1}{2}$ c) $\frac{4}{7}$
   ii) $\frac{2}{9}$ of : a) $6\frac{5}{6}$ b) $9\frac{2}{9}$ c) $\frac{4}{10}$
2. Multiply
   a) $\frac{2}{7}$ x $\frac{21}{8}$ b) $\frac{6}{5}$ x $\frac{10}{6}$ c) $1\frac{7}{3}$ x $6\frac{1}{2}$ d) $7\frac{1}{9}$ x $\frac{8}{9}$
3. Divide
   i. $\frac{3}{10} \div 5$
   ii. $4 \div \frac{7}{8}$
   iii. $1\frac{1}{2} \div \frac{2}{6}$
   iv. $2\frac{1}{3} \div 9$
   v. 8/9 ÷ 1/3
   vi. $5\frac{1}{7} \div 7\frac{1}{5}$
4. A water can has 15L of water.1/3 of the water in the can is used for filling water bottles to keep in the refrigerator and 2/5 of the water is used for cooking.
   a) How much of the water is filled in the waterbottles? (ans: 5L)
   b) How much water is used for cooking? (ans: 6L)
   c) How much water is remaining in the can? (ans: 4L)
5. Find the area of a square field if its each side is $10\frac{3}{4}$ m long.(ans:43 sq m)
6. The cost of 1 litre of juice is ₹$55\frac{1}{2}$.Find the cost of $2\frac{1}{2}$ L of juice.(ans:₹$138\frac{3}{4}$)
7. The product of two numbers is $25\frac{5}{6}$. if one of the numbers is $6\frac{2}{3}$ find the other.(ans: $3\frac{7}{8}$)
8. Find which is greater:- $\frac{3}{8}$ of $9\frac{3}{5}$ or $\frac{1}{2}$ x $5\frac{1}{5}$ (ans:- 3/8 of $9\frac{3}{5}$)
9. Find the following.
   a. 0.2 x 9
   b. 211.9 x 6 .25
   c. 0.9 x 1000
   d. 3.712 x 0.086
   e. 900 x 0.05
   f. 11.05 x 2.05
   g. 100.2 x 10
   h. 2.73 x 1.3

i. 0.08 x 10.

10. Divide.
    a. 0.45 by 9
    b. 0.765 by 0.9
    c. 0.75 by 2.5
    d. 117.6 by 2
    e. 138 by 1000
    f. 0.72 by 10
    g. 20 by 1.0
    h. 25 by 0.5
    i. 4 by 1000.
11. One kg of rice cost Rupees 42.65 what will be the cost of 18.25kg of rice.(ans: rupees 778.3625)
12. A car covered $70\frac{7}{8}$ km in $1\frac{3}{4}$ hours.Find the speed of the car. (ans:$40\frac{1}{2}$ km, speed=distance/time)
13. Each student participating in a mass drill requires $2\frac{2}{5}$ m of ribbon. If the total length of the ribbon is 240 m, find the number of students participating in the drill.*(ans: 100)*
14. The weight of 6 sweet boxes is 4.32 kg. Find the weight of 1 sweet box.(ans: 0.72 kg)

ANSWERS

1 i) a) $3\frac{1}{8}$ b) $4\frac{1}{4}$ c) 4/14
ii) a) $1\frac{14}{27}$ b) $2\frac{4}{81}$ c) 4/45

2 a) ¾ b) 2 c) $21\frac{2}{3}$ d) $6\frac{26}{81}$

3 i) 3/50 ii) $4\frac{4}{7}$ iii) 3 iv) 7/27 v)$2\frac{2}{3}$ vi)5/7

9 a) 1.8 b)1324.375 c) 900 d)0.319232
e)45 f)22.6525 g) 1002 h) 3.549 i)0.8

10 a) 0.05 b)0.85 c)0.3 d)58.8 e) 0.138
f) 0.072 g) 20 h)50 i)0.004