New Enjoying Mathematics
Class VII
Chapter 2: Fractions
Multiple Choice Questions (IBT-based Assessments)

NUMBER

1. Which of these is lesser than one?

   a. $\frac{8}{20}\times\frac{5}{7}$ b. $\frac{9}{3}\times\frac{5}{13}$ c. $\frac{5}{2}\times\frac{14}{20}$ d. $\frac{12}{15}\times\frac{25}{4}$

2. Which symbol should come in the box?

   $$2\frac{1}{3}\times 3\frac{3}{7} \square\ 3\frac{1}{5}\div 5\frac{1}{3}=7\frac{2}{5}$$

   a. $\div$ b. $\times$ c. $-$ d. $+$

3. What is $\frac{1}{3}$ of $\left(2\frac{3}{5}\div\frac{26}{30}\right)$ subtracted from $\frac{1}{5}$ of $\left(3\frac{4}{7}\div\frac{5}{7}\right)$?

   a. $\frac{1}{3}$ b. $\frac{2}{3}$ c. 1 d. 0

4. Which of these is the largest fraction?

   a. $2\frac{4}{5}+3\frac{3}{5}$ b. $5\frac{3}{8}-4\frac{1}{8}$

   c. $6\frac{2}{3}\times 1\frac{3}{8}$ d. $3\frac{2}{7}\div 5\frac{3}{4}$

5. If $\frac{2}{5}$ of $\frac{3}{7}$ of a number is $\frac{1}{6}$ of $\frac{3}{5}$ of 120, then find the number.

   a. 70 b. 72 c. 74 d. 76

MEASUREMENT

6. An ore contains $\frac{2}{5}$ of carbon, $\frac{1}{3}$ of quartz and the rest is iron. How much iron is present in 3 kg of the ore?

   a. 2200 g b. 800 g c. 1000 g d. 500 g

7. Dia finished embroidering a design in $\frac{3}{8}$ of an hour. Disha finished the same in $\frac{2}{5}$ of an hour. Who worked longer and by what fraction?

   a. Dia, $\frac{1}{40}$ b. Dia, $\frac{31}{40}$ c. Disha, $\frac{31}{40}$ d. Disha, $\frac{1}{40}$

8. Amrita had $1\frac{1}{2}$ litres of oil. She spent $\frac{3}{8}$ of it every day making fries and $\frac{1}{8}$ for cooking. How many days will it last?

   a. 4 b. $\frac{9}{16}$ c. 3 d. $\frac{3}{16}$

9. Priya wants to serve a glass of juice to her guests. She has glasses that can hold $\frac{1}{7}$ of a litre. If she has $2\frac{1}{7}$ litres of juice in the refrigerator, then how much more juice does she need to serve 24 guests?

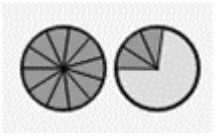
   a. $2\frac{1}{7}l$ b. $2\frac{2}{7}l$ c. $1\frac{1}{7}l$ d. $1\frac{2}{7}l$

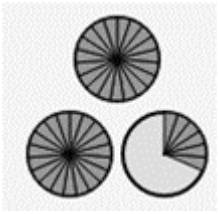
10. Rita bought some apples. She used $\frac{1}{3}$ of them to make muffins and $\frac{1}{4}$ of the remaining to make a pie. If she has 15 left now, then many did she buy?

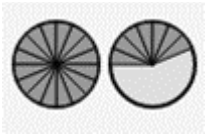
    a. 15 b. 20 c. 30 d. 40

SPACE

11. Which of these represents $5\frac{3}{5} \div 5\frac{1}{5}$?

a. 

b. 

c. 

d. 

12. Identify the fraction shown here.

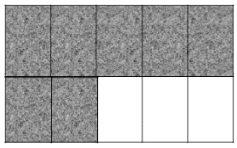
a. $3\frac{3}{5} \times 1\frac{1}{4}$

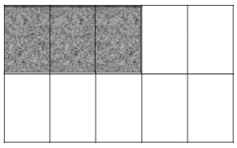
b. $3\frac{4}{7} \times 2\frac{3}{7}$

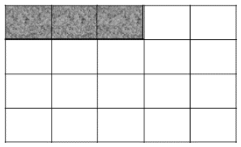
c. $1\frac{3}{4} \times 5\frac{1}{3}$

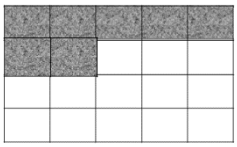
d. $6\frac{2}{5} \times 2\frac{3}{5}$

13. Roshan had 5 cakes. Four of his friends had $\frac{3}{5}$ of each and three had $\frac{3}{4}$ of each. Which of these represents the remaining portion of the cakes?

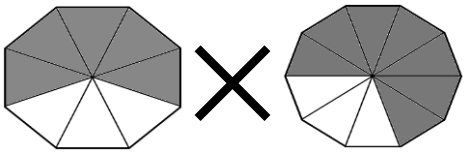
a. 

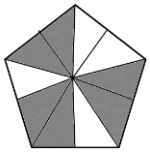
b. 

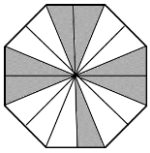
c. 

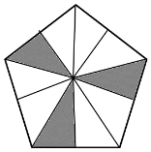
d. 

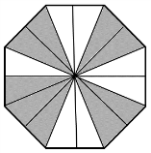
14. Identify the figure that represents the product of the fractions given here.



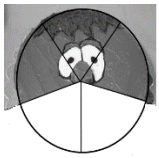
a. 

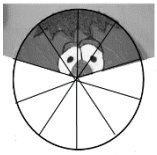
b. 

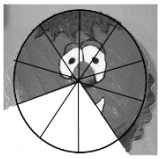
c. 

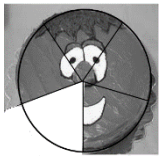
d. 

15. If the given cakes are equally divided among five friends, then how much will each get?

a. 

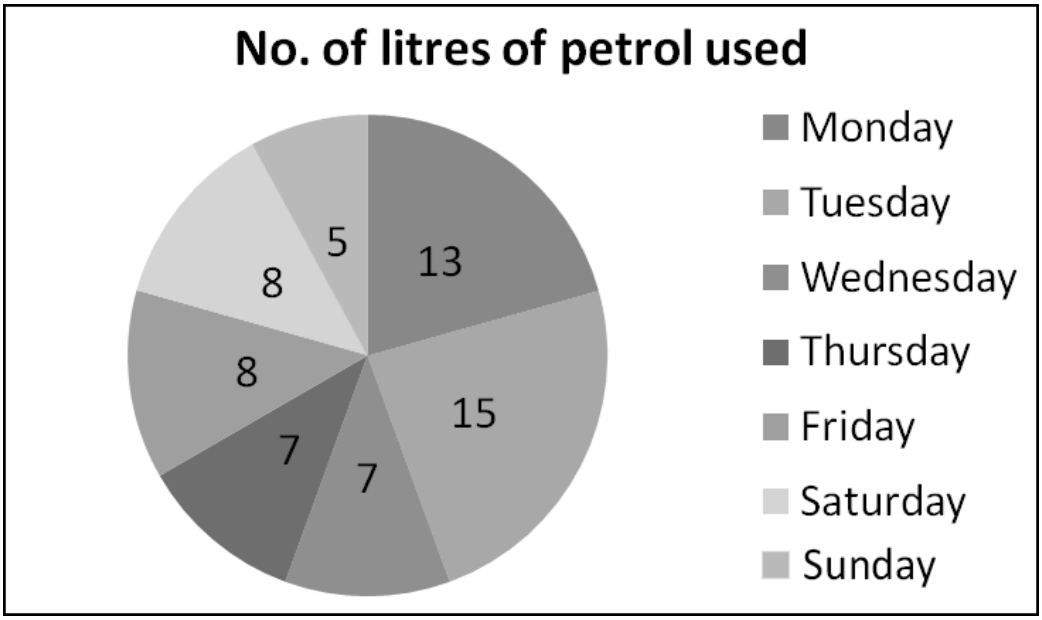
b. 

c. 

d. 

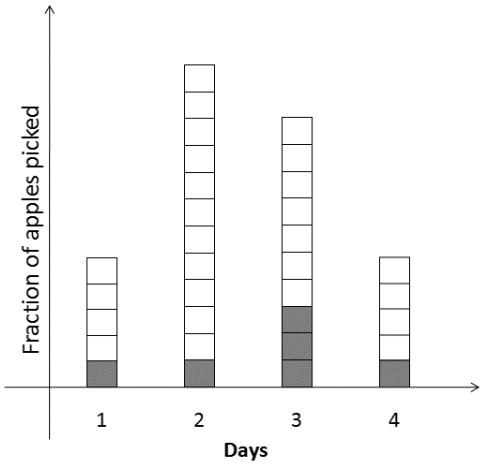
CHANCE AND DATA

16. The given pie chart shows the per day usage of petrol by Anamika in a week. What fraction of the total did she use on Monday and Tuesday?



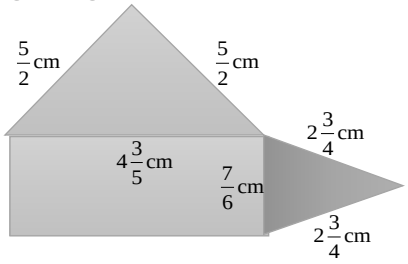
a. $\frac{4}{9}$ b. $\frac{13}{63}$ c. $\frac{15}{63}$ d. $\frac{5}{9}$

17. Amy picks 240 apples from her orchard in 5 days. If the graph given here shows the fraction of apples picked by her on the first four days, then how many did she pick on the fifth day?



a. 20 b. 48 c. 52 d. 72

18. Find the perimeter of the figure given here.



a. $22\frac{1}{30}$ cm b. $16\frac{8}{30}$ cm c. $14\frac{21}{30}$ cm d. $12\frac{17}{30}$ cm

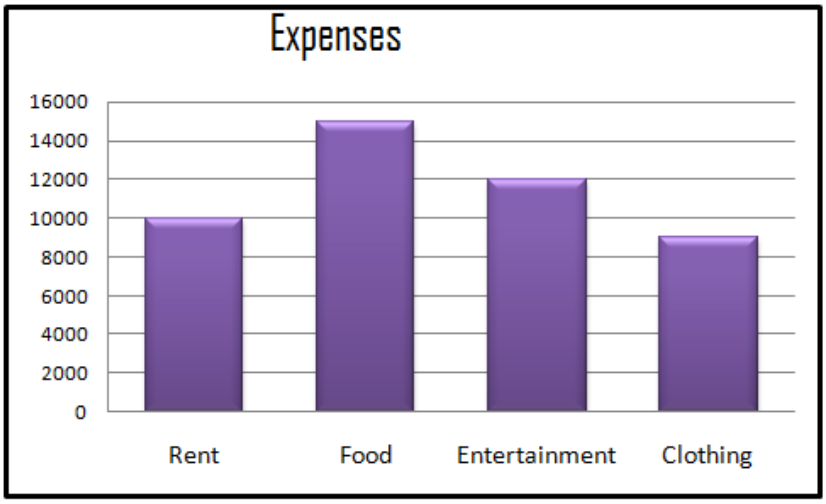
19. Given here is a magic square. The sum of the numbers in each row, column and along the diagonals is the same. Find the values of A and B.

$\frac{6}{23}$	$\frac{1}{23}$	$\frac{8}{23}$
$\frac{7}{23}$	$\frac{5}{23}$	A
B	$\frac{9}{23}$	$\frac{4}{23}$

a. $A=\frac{5}{23}, B=\frac{4}{23}$ b. $A=\frac{2}{23}, B=\frac{3}{23}$

c. $A=\frac{4}{23}, B=\frac{5}{23}$ d. $A=\frac{3}{23}, B=\frac{2}{23}$

20. The graph given here shows the monthly expenditure of Ahmed. Next month he plans to save $\frac{1}{5}$ of the money spent on entertainment and $\frac{1}{3}$ on clothing. How much will he save?



a. ₹ 2400 b. ₹ 3000 c. ₹ 3400 d. ₹ 5400