A

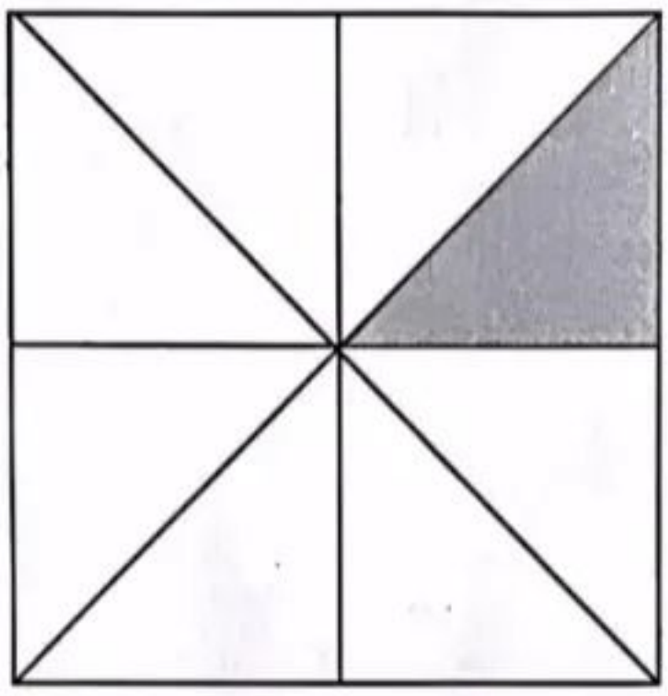
SAMAGRA SHIKSHA KERALA
SECOND TERM EVALUATION 2024-2025
Mathematics

E-503

Standard: V **Time: 2 Hrs**

- 15 minutes is given as cool-off time.
- Read the questions carefully during this time.
- Attempt **any five** activities from the activities given.

Activity 1



In the figure a large square is divided into 8 equal parts.

a) What part of the larger square is shaded?

b) Draw a square of side 4 centimetres and divide it into 16 equal parts.

c) Shade $\frac{1}{2}$ of the square you have drawn.

d) Which of the following is not equal to $\frac{3}{4}$?

A. $\frac{12}{16}$ B. $\frac{6}{8}$ C. $\frac{8}{12}$ D. $\frac{15}{20}$

Activity 2

Complete the table by writing the measurements in fractional form and decimal form.

Measurements	Fractional form	Decimal form
7 centimetres 8 millimetres	..... centimetres	..... centimetres
9 litres 675 millilitres	..... litres	..... litres
7 kilograms 125 grams	..... kilograms	..... kilograms
4 metres 85 centimetres	..... metres	..... metres
8 millimetres	..... centimetres	..... centimetres

Activity 3

Radha travelled by train from Thiruvananthapuram at 7.45 and reached Kottayam on the same day at 11.15. On the same day, she travelled from Kottayam at 15.10 and reached Thiruvananthapuram at 18.55.

a) How much time did Radha take to reach Kottayam from Thiruvananthapuram?

b) What is the time taken to travel from Kottayam to Thiruvananthapuram?

c) How much time did she take for the to and fro journey by train?

d) How much time does it take for the second hand of a clock to rotate once starting from 1 and reaching 1 again?

e) Which of the following time is equal to 18.55?

A. 8.55 am

B. 8.55 pm

C. 6.55 am

D. 6.55 pm

Activity 4

a) If 3 kilograms of sugar is filled equally in 4 packets, how many kilograms will one packet contain?

b) If 17 toffees are distributed equally among 3 persons, how many will each one get? How many will be left?

c) 7 kilograms of sugar is filled in 4 identical packets. How many kilograms of sugar is in one packet? Write this quantity of sugar in natural number and fraction together.

d) Which is equal to $1\frac{1}{4}$?

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

B. Four $\frac{1}{5}$ s

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

D. Four $\frac{1}{3}$ s

Activity 5

a) What would be the remainders when a number is divided by 4?

b) What is the remainder when the numbers in the sequence 5, 10, 15, 20 ... are divided by 5?

c) Write a number sequence that has a remainder 1 when divided by 5.

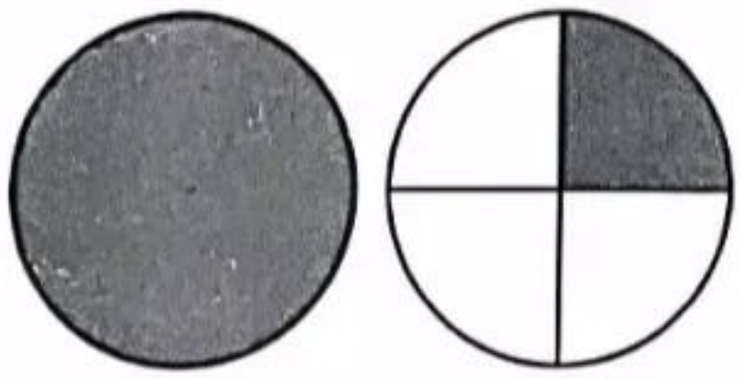
d) Write a number sequence that has a remainder 2 when divided by 3.

e) When a number is divided by 9, the quotient is 0 and the remainder is 8. Which of the following is the number?

A. $0\times9+8$ B. $1\times9+8$ C. $1\times8+9$ D. $0\times8+9$

Activity 6

a) Write the fraction that represents the shaded part.

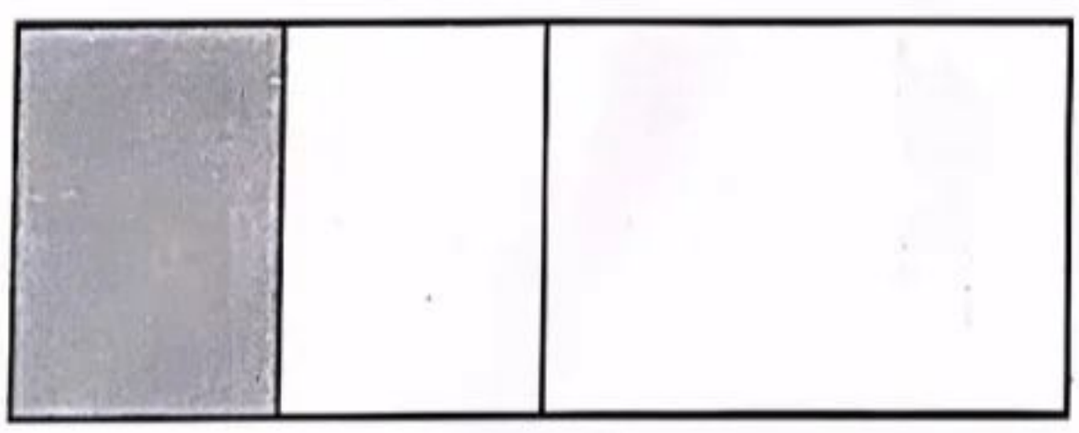


b) Draw the picture to represent the fraction $1\frac{1}{8}$ by using circle and part of circles.

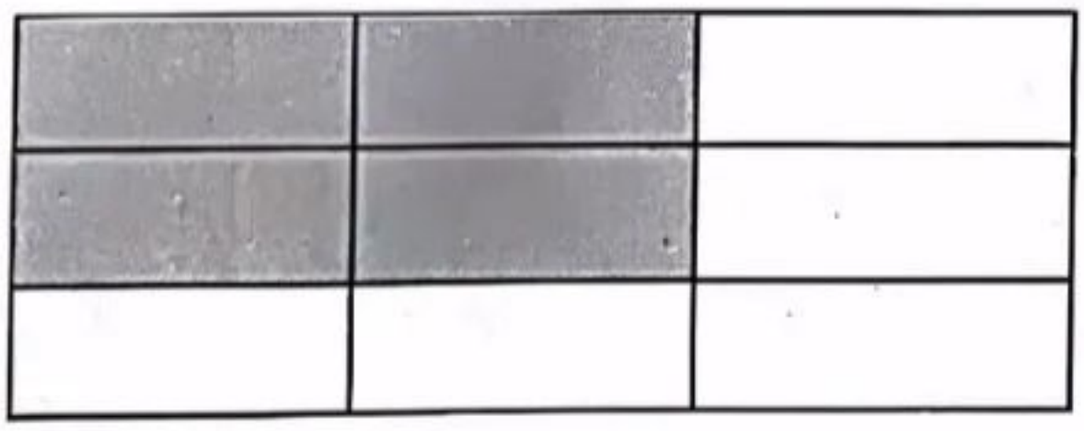
c) If we write $1\frac{1}{4}$, $1\frac{1}{8}$ and $1\frac{1}{3}$ in ascending order, which one comes in the middle?

d) In which rectangle below, is $\frac{1}{3}$ part shaded?

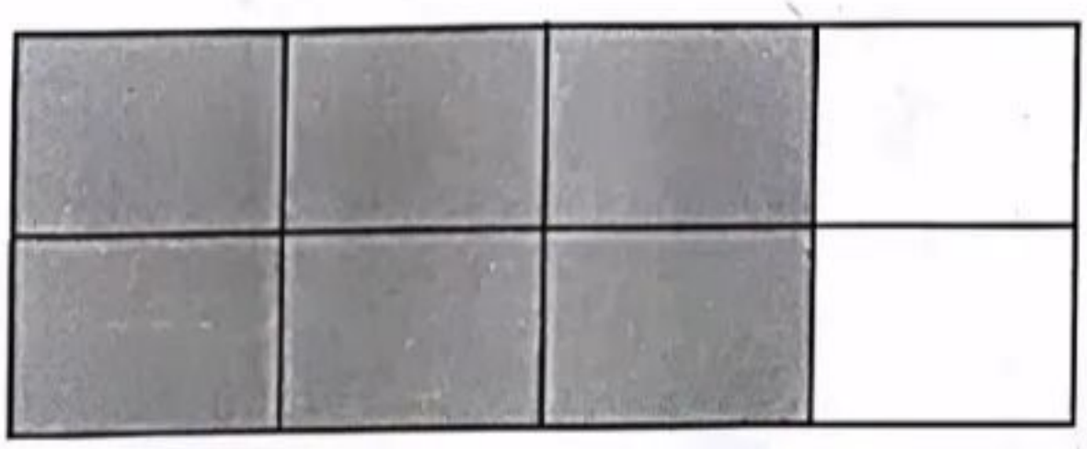
A.



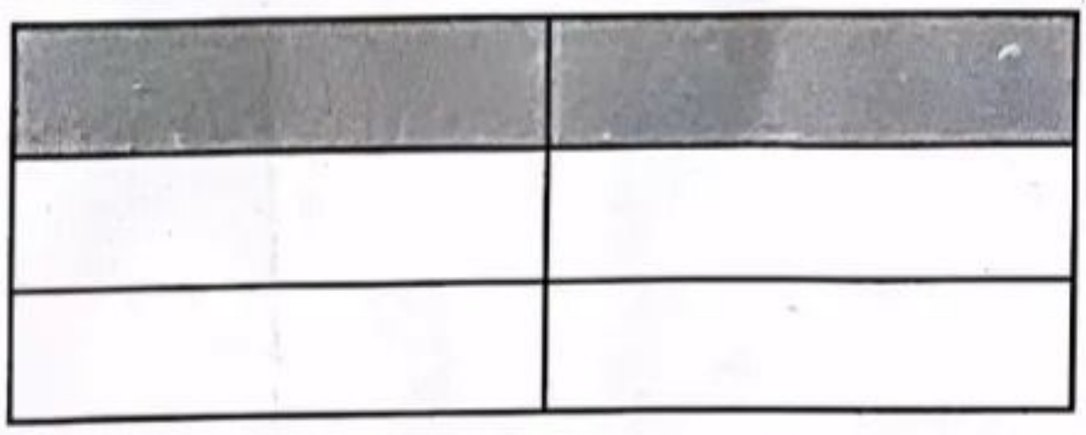
B.



C.



D.



Activity 7

There are 4 Sundays and 5 Saturdays in the December of a year.

a) Which day is the 31st of December?

b) Which day is the 1st of December?

c) Which are the days in December those come 5 times?

d) Which of the following is not a leap year?

A. 2000 B. 2020 C. 2018 D. 2024