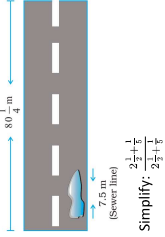


**Q16.** The largest square that can be drawn in a circle has a side whose length is 0.707 times the diameter of the circle. By this rule, find the length of the side of such a square when the diameter of the circle is:  
8.63cm **2 Marks**

**Q17.** A public sewer line is being installed along  $80\frac{1}{4}$  m of road. The supervisor says that the labourers will be able to complete 7.5m in one day. How long will the project take to complete? **3 Marks**



**Q18.** Simplify:  $\frac{2\frac{1}{2} + \frac{1}{3}}{2\frac{1}{2} + \frac{1}{3}}$  **3 Marks**

**Q19.** A picture hall has seats for 820 persons. At a recent film show, one usher guessed it was  $\frac{3}{4}$  full another that it was  $\frac{2}{3}$  full. The ticket office reported 648 sales. Which usher (first or second) made the better guess? **3 Marks**

**Test / Exam Name: Maths - Fractions And Decimals Standard: 7th** **Subject: Mathematics**  
**Student Name:** ..... **Roll No.:** .....  
**Section:** ..... **Questions: 19** **Time: 01:00 hh:mm** **Marks: 30**

**Instructions**

- Honesty is the best policy.
- Start a new section from a new page

**SECTION-A**

**Q1.** The difference between the greatest and the least fractions out of  $\frac{6}{7}$ ,  $\frac{8}{9}$  and  $\frac{9}{10}$  is:

- A**  $\frac{3}{10}$  **B**  $\frac{1}{56}$   
**C**  $\frac{1}{40}$  **D**  $\frac{1}{72}$

**Q2.** On dividing 7 by  $\frac{2}{3}$ , the result is:

- A**  $\frac{14}{3}$  **B**  $\frac{35}{4}$   
**C**  $\frac{14}{9}$  **D**  $\frac{35}{2}$

**Q3.** Mark (✓) against the correct answer in the following:

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

- A**  $\frac{3}{7}$  **B**  $1\frac{2}{7}$   
**C**  $\frac{7}{10}$  **D**  $1\frac{3}{7}$

**Q4.** What is the multiplication of the numbers  $1\frac{2}{3} \times 3\frac{1}{4} \times \frac{7}{8}$ ?

- A**  $1.3\frac{18}{24}$  **B**  $2.2\frac{19}{24}$   
**C**  $3.3\frac{19}{24}$  **D**  $4.2\frac{24}{24}$

**Q5.**  $9 \times \left(-\frac{1}{3}\right) \times (-3) \times \left(-\frac{1}{9}\right) =$

- A** 1 **B** -1  
**C** -3 **D** 3

**Q6.** Express in kg:  
3470 g

**Q7.** Write the place value of 2 in the following decimal number:  
2.56

**Q8.** Find:  
 $0.2 \times 316.8$

**Q9.** Find:  
 $7.75 \div 0.25$

**Q10.** Find:  
 $0.1 \times 51.7$

**Q11.** Find:  $\frac{4}{5}$  of  
1.20  
2.35

**SECTION-B**

**Q12.** Raj travels 360km on three fifths of his petrol tank. How far would he travel at the same rate with a full tank of petrol?

**Q13.** Michael finished colouring a picture in  $\frac{2}{12}$  hour. Vaibhav finished colouring the same picture in  $\frac{2}{12}$  hour. Who worked longer? By what fraction was it longer?

**Q14.** A rule for finding the approximate length of diagonal of a square is to multiply the length of a side of the square by 1.414. Find the length of the diagonal when:  
The length of a side of the square is 8.3cm.

**Q15.** A square and an equilateral triangle have a side in common. If side of triangle is  $\frac{4}{3}$  cm, long find the perimeter of figure formed (Fig).

