9. Evaluate the following, expressing your answer in the simplest form.

(a) $\frac{4}{5} \times \frac{5}{8} \div \frac{1}{6} + \frac{1}{6} =$

(b) $\frac{8}{18} \times \frac{15}{20} \div \frac{24}{15} \times \frac{42}{35} =$

(c) $1\frac{1}{7} \div 2\frac{1}{4} \times \frac{5}{8} =$

(d) $2\frac{1}{2} \div 4\frac{2}{5} \div \frac{5}{8} =$

(e) $\frac{2}{7} \div \frac{2}{14} \times 3\frac{5}{6} + \frac{1}{3} =$

(f) $1\frac{4}{13} \times 7\frac{4}{5} \div 11\frac{1}{3} =$

(g) $\frac{3}{10} + \frac{2}{3} \div 5 \times \frac{1}{4} =$

(h) $5\frac{1}{3} \times 4\frac{1}{2} - \frac{13}{4} \times \frac{8}{13} =$

10. Evaluate the following, expressing your answer in the simplest form.

(a) $\left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{1}{4} =$

(b) $\frac{2}{3} \div 4 + \left(3 - \frac{2}{5}\right) =$

(c) $\frac{1}{3} \times \left(\frac{1}{2} + \frac{1}{4}\right) \div \frac{1}{6} =$

(d) $\left(\frac{3}{4} \times \frac{1}{3} - \frac{1}{12}\right) \div \frac{1}{2} =$

11. What number goes in the box?

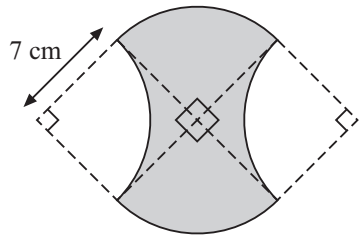
$8 \times \square + 4 - 6 \div \frac{2}{3} = 27$

12. The product of two numbers is $5\frac{1}{4}$. If one of the numbers is $2\frac{1}{3}$, what is the other number?

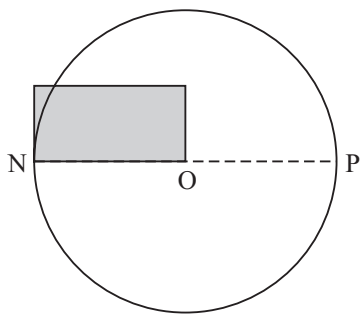
13. If $\frac{3}{8}$ of a number is 6, what is $\frac{3}{4}$ of the number?

14. After a fraction is increased by $\frac{1}{4}$ of its value, the result is $3\frac{1}{3}$. What is the the original fraction?

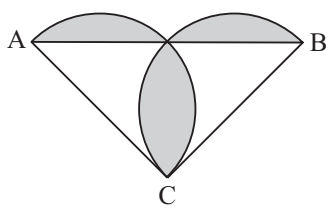
2. Find
   (a) the area of the shaded figure,
   (b) the perimeter of the shaded figure.
   $\left(\text{Take } \pi = \frac{22}{7}\right)$



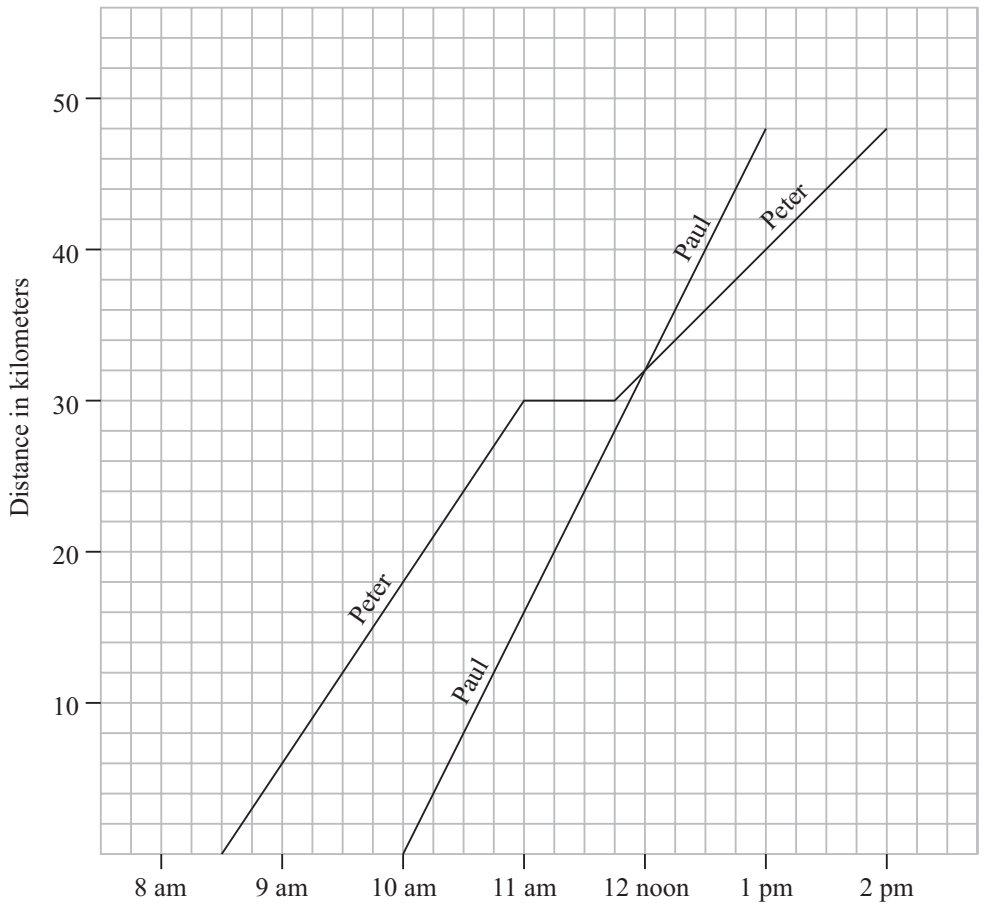
3. The area of the circle is 6 times the area of the shaded rectangle. O is the center of the circle. If the diameter of the circle, NP, is 42 cm, find the perimeter of the shaded rectangle.
   $\left(\text{Take } \pi = \frac{22}{7}\right)$



4. The figure consists of an isosceles triangle ABC and 2 identical semicircles, overlapping one another. AC = BC = 10 cm and the length of each of these two lines is $\frac{5}{6}$ that of AB. Find the perimeter of the shaded part of the figure.
   (Take $\pi = 3.14$)



2. The given line graph shows the distance two boys, Peter and Paul, bicycled over a certain period of time. Each boy started bicycling from the same starting point towards a common destination.



(a) What was Paul's average bicycling speed? _____ km/h

(b) Peter rested from _____ am to _____ am.

From _____ am to _____ am

(c) How much slower was Peter's bicycling speed for the second part of his journey after his rest than his speed for the first part of his journey?

_____ km/h