

ST. ARNOLD'S CENTRAL SCHOOL, PUNE
PERIODIC TEST - 1, 2018 - 19
SUBJECT - MATHEMATICS

STD - VII

MM : 50

SECTION - A

1. Fill in the blanks :

(3)

- a. $(-400) \times 0 \times (-1285) =$ _____ .
b. The product of a fraction and its reciprocal is _____ .
c. If two lines intersect at a point, then _____ are equal.

2. Answer the following :

(3)

- a. Find the value of $(\frac{-8}{42}) \times (\frac{6}{-56})$.
b. If a mixed fraction is converted into a fraction, then what kind of fraction is its reciprocal ?
c. If one angle of a linear pair is acute, then what kind of angle is the other ?

SECTION - B

Question numbers 3 to 7 carry 2 marks each :

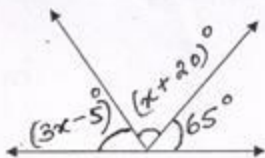
3. Multiply : $5 \times 6\frac{3}{4}$ (2)
4. Which is greater ? $1\frac{2}{3}$ (or) $1\frac{4}{5}$ (2)
5. What is $\frac{1}{4}$ of $18\frac{3}{4}$? (2)
6. Express 5 cm in metre and in kilometre. (2)
7. Find the (i) Complementary angle of 73.5° (2)
(ii) Supplementary angle of 135°

SECTION - C

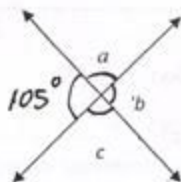
Question numbers 8 to 13 carry 3 marks each :

8. Find the value using a suitable property and name the property : (3)
 $3145 \times (-43) + 3145 \times (-57)$
9. Verify that $a + (b + c) = (a + b) + (a + c)$ for $a = 12$; $b = 1$; $c = -2$ (3)
10. Multiply : 40.67×0.23 (3)
11. Jack finished reading a book in $\frac{5}{12}$ hour. John finished reading the same book in $\frac{3}{8}$ hour. Who took longer and by what fraction was it longer ? (3)

12. Find the value of x from the figure: (3)



13. Find the value of a, b and c (3)
from the figure:



SECTION - D

Question numbers 14 to 17 carry 4 marks each :

14.(a) The temperature of an AC room was 22°C at 6pm. The temperature dropped by 2°C every hour. What is the temperature at 11pm? (4)

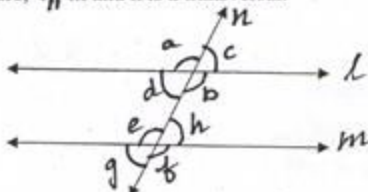
(b) What should be added to (-79) to get (-234) ?

15.(a) A man spends $\frac{7}{9}$ of his income and saves the rest. If he saves ₹ 6426 per month, find his monthly income. (4)

(b) Convert $\frac{11}{40}$ into decimals.

16. A tin holds 16.5 litres of oil. How many such tins will be required to hold 313.5 litres of oil? (4)

17. In the following figure, $l \parallel m$ and n is a transversal. (4)



Write a pair of :

(a) Interior angles

(b) Exterior angles

(c) Corresponding angles

(d) Vertically opposite angles