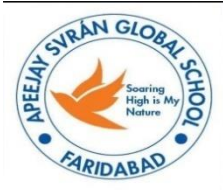


APEEJAY SVRAN GLOBAL SCHOOL

TERM-I END EXAMINATION



CLASS-7

MATHEMATICS

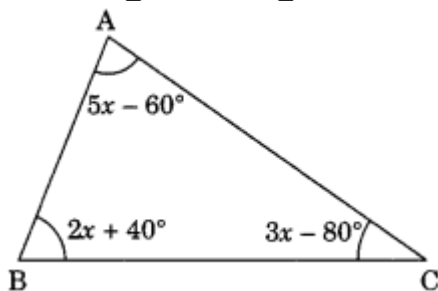
SECTION-A

(2 x 4=

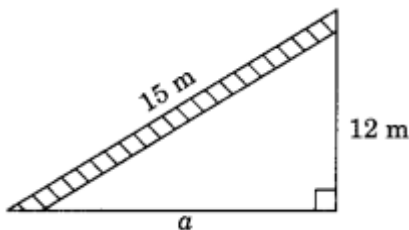
8)

1. Riya purchased $1\frac{3}{4}$ kg apples and $2\frac{1}{6}$ kg oranges. What is the total weight of fruits purchased by her?

2. In the given figure, find x.



3. A 15 m long ladder reached a window 12 m high from the ground on placing it against a wall at a distance a. Find the distance of the foot of the ladder from the wall.



4. SIMPLIFY: $\frac{2}{7} + \left(-\frac{1}{14}\right) - \left(\frac{3}{1}\right)$

SECTION-B

(3 x 3=

9)

5. In a class test containing 10 questions, 4 marks are awarded for every correct answer and (-1) marks are awarded for every incorrect answer and 0 for questions not attempted.

(i) Madhav gets four correct and six incorrect answers. What is his score?

(ii) Suman gets five correct answers and five incorrect answers, what is her score?

(iii) Heena gets two correct and five incorrect answers out of seven questions she attempts. What is her score?

6. Shyama bought 5 kg 300 g apples and 3 kg 250 g mangoes. Sarala bought 4 kg 800 g oranges and 4 kg 150 g bananas. Who bought more fruits? And by how much?

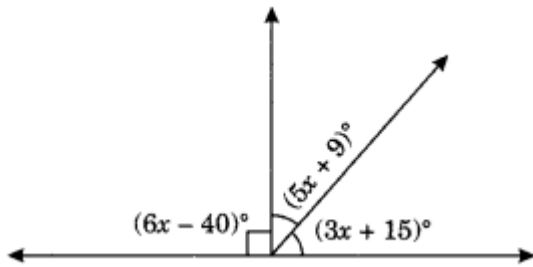
7. A. Find the value of: $(4^0 + 4^{-1}) \times 2^2$
B. Solve : $3^2 \times 3^4 \times 3^8$ (using law)

SECTION- C

(4 x 2=

8)

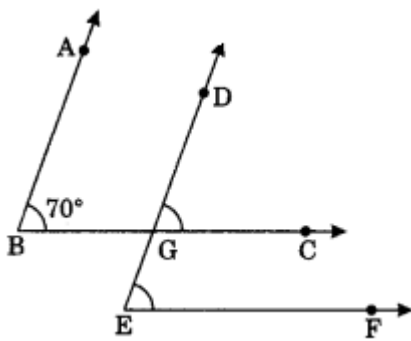
8. A) Find the value of x .



B) In the given figure, the arms of two angles are parallel. If $\angle ABC = 70^\circ$, then find

(i) $\angle DGC$

(ii) $\angle DEF$



9. In the following figure, show that $\triangle PSQ \cong \triangle PSR$, (write all three equal parts and criteria)

