

Question #8.

a- Charges = $\pounds 20 + 4n$. $n = \text{windows} = 7$.

$$= 20 + 4(7)$$

$$= 20 + 28$$

$$= 48 \pounds$$

Brian would charge 48 \pounds for clearing 7 windows.

b- Jumbled spellings.

(i) ralciep.

caliper.

(ii) ^{20 25 8 10 9 12 13}tyhniawm

7 6 25 8 14 9 1 21 13

(iii) ^{10 8 33}arséhcz

(iv) ^{13 15 14 5}möhitedh.

(v) ^{20 18 16 8}7äleph.

Phalet.

c- $(A \cup B)' = A' \cap B'$

$$A = \{10, 11, 12, 13, 15\}, B = \{10, 12, 14\}$$

$$U = \{10, 11, 12, 13, 14, 15, 16, 18\}$$

$$(A \cup B) = \{10, 11, 12, 13, 14, 15\}$$

$$(A \cup B)' = U - \{10, 11, 12, 13, 14, 15\}$$

$$(A \cup B)' = \{16, 18\} \text{ C.H.S.}$$

$$A' = U - A = \{14, 16, 18\}$$

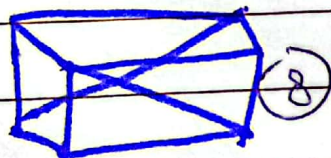
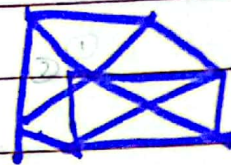
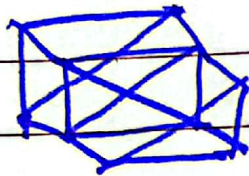
$$B' = U - B = \{11, 13, 15, 16, 18\}$$

$$A' \cap B' = \{14, 16, 18\} \cap \{11, 13, 15, 16, 18\}$$

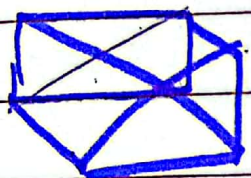
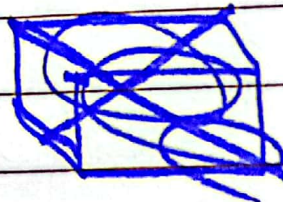
$$A' \cap B' = \{16, 18\} \text{ - D.H.S.}$$

$$\text{L.H.S.} = \text{R.H.S.}$$

d. No. of triangles -



(8)



(8)

Total triangles = 16.