

Lines and angles Ex 14.1 Q16

Answer

If one of the angles of a linear pair is obtuse, then the other angle should be acute; only then can their sum be 180°

Lines and angles Ex 14.1 Q17

Answer

In a linear pair, if one angle is acute, then the other angle should be obtuse. Only then their sum can be 180°

Lines and angles Ex 14.1 Q18

Answer:

No, two acute angles cannot form a linear pair because their sum is always less than 180°.

Lines and angles Ex 14.1 Q19

Answer:

Let x be the required angle.

Then, we have:

$$x + 65^{\circ} = 180^{\circ}$$

$$\Rightarrow x = 180^{\circ} - 65^{\circ} = 115^{\circ}$$

The complement of angle x cannot be determined.

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