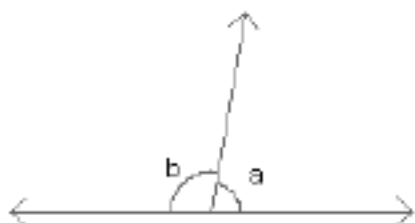


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Answer the questions

- (1) If $a:b = 4:5$, find b .



- (2) In a triangle, one angle is a complement of the other. What is the value of the third angle?
- (3) If two of the angles in a triangle are 60° each, then what kind of a triangle is it?
- (4) What term is used to describe a line segment whose endpoints lie on the circumference of a circle, but which is smaller than the diameter of the circle?
- (5) If a triangle ABC is drawn so that sides AB and AC are equal and $\angle C$ is 20° , then what is the value of angle A?
- (6) A triangle has three angles, which we call the first, second and third angle here. The second angle is twice the first angle. The third angle is 147° . What is the value of the first angle?

Choose correct answer(s) from given choice

- (7) The sum of angles forming a linear pair is:
- | | |
|----------------|----------------|
| a. 100° | b. 180° |
| c. 270° | d. 360° |
- (8) In a right angle triangle, one of the angles is 50° . Which of the following can be another of the angles in the triangle?
- | | |
|---------------|----------------|
| a. 46° | b. 130° |
| c. 35° | d. 40° |