**Geometry Lesson 1-11: Students will use variable expressions to find angle measurements; students will show mastery of various construction techniques.**

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**[1st] Find the next letter L I F C \_\_\_**

**in this pattern:**

**[2nd] Suppose two angles**

**have a sum of 180o and the**

**larger angle is 18o more than**

**the smaller angle.**

**Find the measure of each.**

**[3rd] What strategies can you**

**use to find both angles?**

**[4th] m/ A means what?**

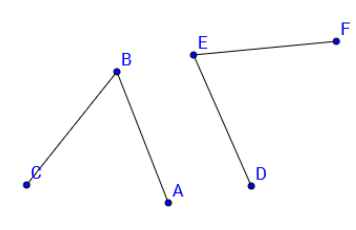
**[5th] m/ Q is twice m/ R.**

**Together they have a sum of**

**81o. Find the measure of each.**

**[6th] What strategy can you**

**use to find both angles?**

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**[7th] m/ ABC = what?**

**[8th] m/ DEF = what?**

**[9th] Show AND explain how to**

**use / ABC and / DEF to construct**

**an angle equal to the measure of**

**both angles combined.**

**[10th] Find the measure of each m/ E is five times m/ F, and both have a sum of 78o.**

**angle:**

**m/ G is five more than m/ H, and both have a sum of 59o.**

**m/ J is eight less than m/ K, and both have a sum of 100o.**

**[11th] m/ W is two-thirds of**

**m/ Y. If m/ Y = 24o, find**

**m/ W.**

**[12th] m/ W is three-fourths of**

**m/ Y. If m/ W = 33o, find**

**m/ Y.**