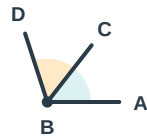


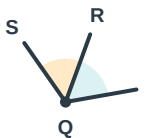
Identify Adjacent Angle Pairs

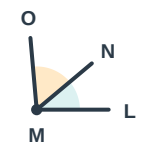
Grade 5 • Name the common vertex and common side

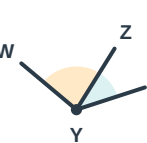
Name: _____ Date: _____

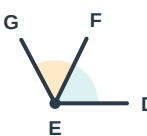
Directions: Each pair of angles is adjacent. Use the diagram to find the vertex and side they share.

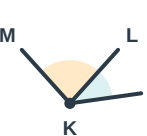
1.  $\angle ABC$ and $\angle CBD$
Common vertex: _____
Common side: _____

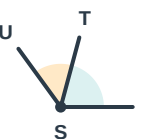
2.  $\angle PQR$ and $\angle RQS$
Common vertex: _____
Common side: _____

3.  $\angle LMN$ and $\angle NMO$
Common vertex: _____
Common side: _____

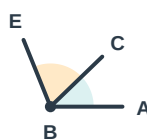
4.  $\angle XYZ$ and $\angle ZYW$
Common vertex: _____
Common side: _____

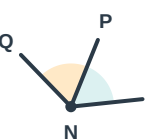
5.  $\angle DEF$ and $\angle FED$
Common vertex: _____
Common side: _____

6.  $\angle JKL$ and $\angle LKM$
Common vertex: _____
Common side: _____

7.  $\angle RST$ and $\angle TSU$
Common vertex: _____
Common side: _____

8.  $\angle GHI$ and $\angle IHK$
Common vertex: _____
Common side: _____

9.  $\angle ABC$ and $\angle CBE$
Common vertex: _____
Common side: _____

10.  $\angle MNP$ and $\angle PNQ$
Common vertex: _____
Common side: _____

How to read it

In $\angle ABC$ the middle letter is always the vertex, so $\angle ABC$ and $\angle CBD$ both turn at B.

The letter the two names have in common, other than the vertex, names the shared side.

Answer Key

Identify Adjacent Angle Pairs

Answers

1. $\angle ABC$ and $\angle CBD$ **Vertex B; side BC**
middle letter B is the vertex, C is in both names
2. $\angle PQR$ and $\angle RQS$ **Vertex Q; side QR**
middle letter Q is the vertex, R is in both names
3. $\angle LMN$ and $\angle NMO$ **Vertex M; side MN**
middle letter M is the vertex, N is in both names
4. $\angle XYZ$ and $\angle ZYW$ **Vertex Y; side YZ**
middle letter Y is the vertex, Z is in both names
5. $\angle DEF$ and $\angle FEG$ **Vertex E; side EF**
middle letter E is the vertex, F is in both names
6. $\angle JKL$ and $\angle LKM$ **Vertex K; side KL**
middle letter K is the vertex, L is in both names
7. $\angle RST$ and $\angle TSU$ **Vertex S; side ST**
middle letter S is the vertex, T is in both names
8. $\angle GHI$ and $\angle IHK$ **Vertex H; side HI**
middle letter H is the vertex, I is in both names
9. $\angle ABC$ and $\angle CBE$ **Vertex B; side BC**
middle letter B is the vertex, C is in both names
10. $\angle MNP$ and $\angle PNQ$ **Vertex N; side NP**
middle letter N is the vertex, P is in both names

Marking note

A side can be written either way round, so BC and CB are both correct, and so is "ray BC". What matters is that the student names the vertex letter and the one other letter the two angle names share.