

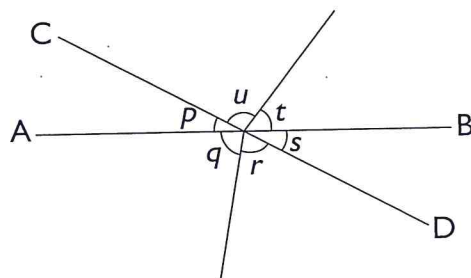
QUIZ Review**Test  
B****Unit 9: Angles****Chapters 1 & 2: Adjacent Angles, Vertically Opposite Angles and Angles at a Point**

Circle the correct option, **A**, **B**, **C** or **D**.

All angles are not drawn to scale.

Refer to the diagram below to answer Questions 1 & 2.

AB and CD are straight lines.



1. Which of the following is a pair of adjacent angles?

**A**  $\angle r$  and  $\angle t$

**C**  $\angle p$  and  $\angle t$

**B**  $\angle p$  and  $\angle q$

**D**  $\angle q$  and  $\angle s$

2. Which of the following is a pair of vertically opposite angles?

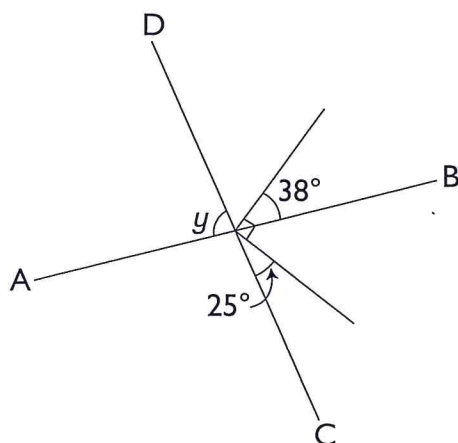
**A**  $\angle r$  and  $\angle u$

**C**  $\angle q$  and  $\angle t$

**B**  $\angle r$  and  $\angle t$

**D**  $\angle p$  and  $\angle s$

3. If AB and CD are straight lines, find  $\angle y$ .



**A**  $52^\circ$

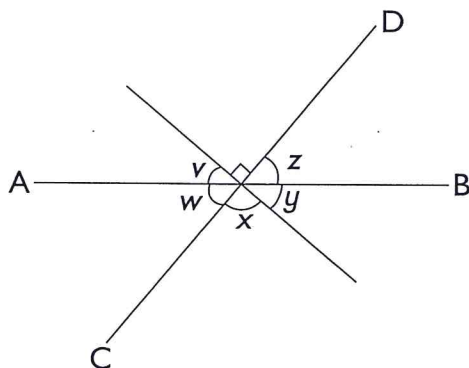
**B**  $65^\circ$

**C**  $77^\circ$

**D**  $90^\circ$

Refer to the diagram below to answer Questions 4 & 5.

AB and CD are straight lines.



4. Which of the following statement must be true?

**A**  $\angle v$  and  $\angle y$  are vertically opposite angles.

**B**  $\angle w$  and  $\angle z$  are vertically opposite angles.

**C**  $\angle w$  and  $\angle y$  are adjacent angles.

**D**  $\angle v$  and  $\angle x$  are adjacent angles.



5. Which of the following statement must be false?

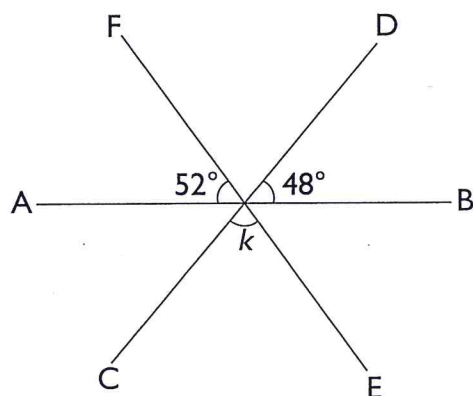
**A**  $\angle w$  and  $\angle y$  are adjacent angles.

**B**  $\angle w$  and  $\angle z$  are vertically opposite angles.

**C** The sum of  $\angle v$ ,  $\angle w$ ,  $\angle x$ ,  $\angle y$  and  $\angle z$  is  $360^\circ$ .

**D** The sum of  $\angle x$  and  $\angle y$  is equal to the sum of  $\angle v$  and the right angle.

6. If AB, CD and EF are straight lines, find  $\angle k$ .



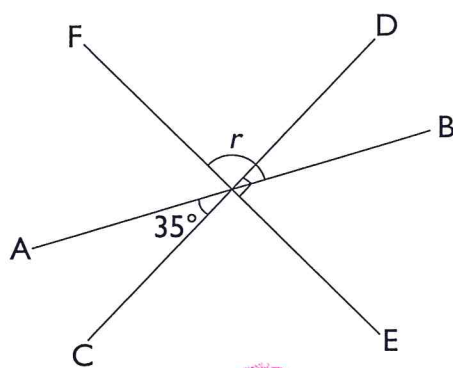
**A**  $48^\circ$

**B**  $52^\circ$

**C**  $80^\circ$

**D**  $100^\circ$

7. If AB, CD and EF are straight lines, find  $\angle r$ .



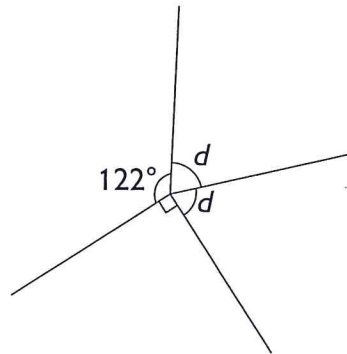
**A**  $55^\circ$

**B**  $115^\circ$

**C**  $125^\circ$

**D**  $135^\circ$

8. Find  $\angle d$ .



A  $58^\circ$

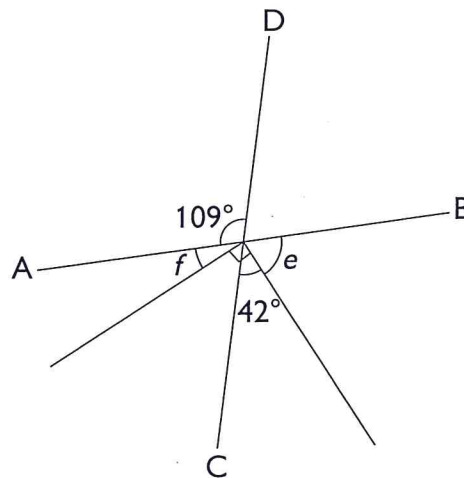
C  $119^\circ$

**B**  $74^\circ$

D  $148^\circ$

Refer to the diagram below to answer Questions 9 & 10.

AB and CD are straight lines.



9. Find  $\angle e$ .

A  $29^\circ$

**C**  $67^\circ$

B  $48^\circ$

D  $71^\circ$

10. Find  $\angle f$ .

A  $19^\circ$

C  $33^\circ$

**B**  $23^\circ$

D  $71^\circ$



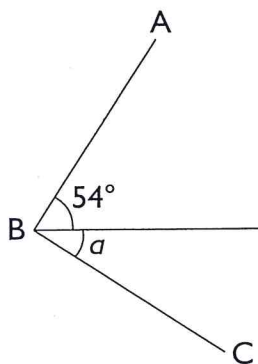
**Test  
B****Unit 9: Angles****Chapter 3: Complementary Angles**

Circle the correct option, **A**, **B**, **C** or **D**.

For all questions, AB is perpendicular to BC.

All angles are not drawn to scale.

1. Find  $\angle a$ .



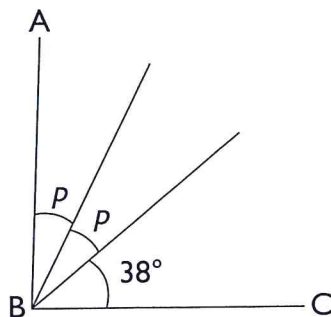
**A**  $34^\circ$

**B**  $36^\circ$

**C**  $44^\circ$

**D**  $46^\circ$

2. Find  $\angle p$ .



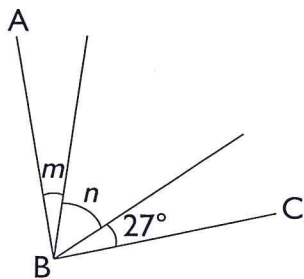
**A**  $19^\circ$

**B**  $26^\circ$

**C**  $38^\circ$

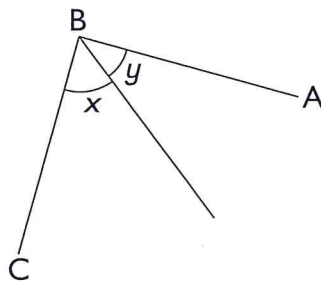
**D**  $52^\circ$

3. If  $\angle m$  is  $\frac{2}{5} \angle n$ , find  $\angle n$ .



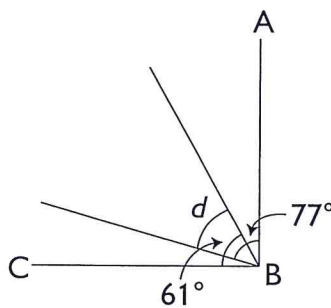
- A**  $9^\circ$                       **C**  $45^\circ$   
**B**  $18^\circ$                       **D**  $63^\circ$

4. The ratio of  $\angle x$  to  $\angle y$  is  $3 : 2$ . Find  $\angle y$ .



- A**  $18^\circ$                       **C**  $36^\circ$   
**B**  $27^\circ$                       **D**  $54^\circ$

5. Find  $\angle d$ .



- A**  $13^\circ$                       **C**  $29^\circ$   
**B**  $16^\circ$                       **D**  $48^\circ$



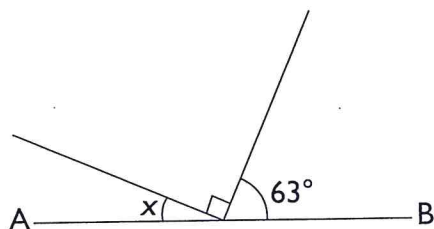
**Test  
B****Unit 9: Angles****Chapter 4: Supplementary Angles**

Circle the correct option, **A**, **B**, **C** or **D**.

For all questions, AB is a straight line.

All angles are not drawn to scale.

1. Find  $\angle x$ .



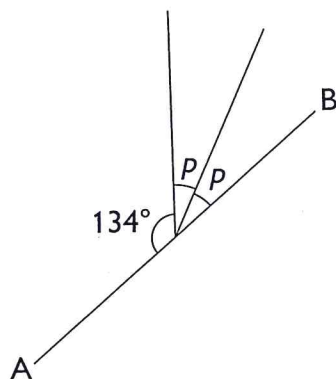
**A**  $23^\circ$

**B**  $27^\circ$

**C**  $33^\circ$

**D**  $37^\circ$

2. Find  $\angle p$ .



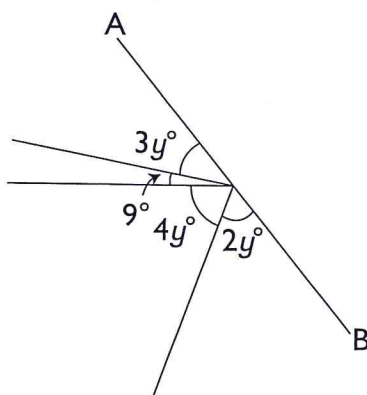
**A**  $23^\circ$

**B**  $28^\circ$

**C**  $46^\circ$

**D**  $44^\circ$

3. Find  $y$ .

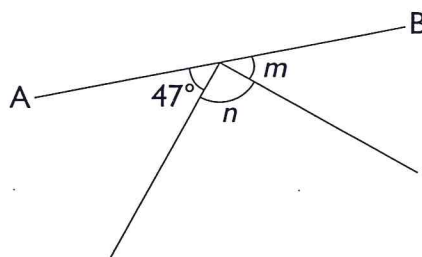


- A** 19  
**B** 38

- C** 20  
**D** 76

Refer to the following diagram to answer Questions 4 & 5.

$\angle m$  is  $\frac{2}{5} \angle n$ .



4. Find  $\angle m$ .

- A**  $27^\circ$   
**B**  $19^\circ$

- C**  $38^\circ$   
**D**  $135^\circ$

5. Find  $\angle n$ .

- A**  $57^\circ$   
**B**  $45^\circ$

- C**  $81^\circ$   
**D**  $95^\circ$