

QUIZ Review

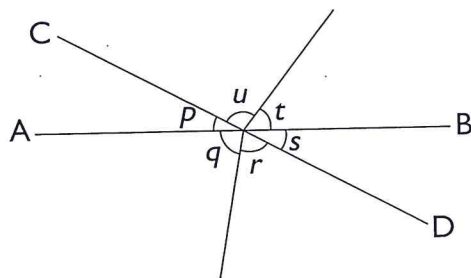
**Test
B****Unit 9: Angles****Chapters 1 & 2: Adjacent Angles, Vertically Opposite Angles and Angles at a Point**

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.

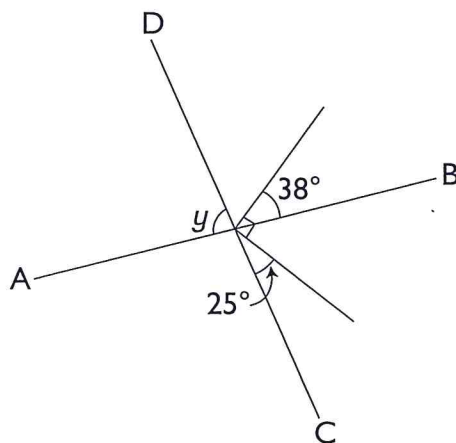


- Which of the following is a pair of adjacent angles?

A $\angle r$ and $\angle t$	C $\angle p$ and $\angle t$
B $\angle p$ and $\angle q$	D $\angle q$ and $\angle s$
- 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°

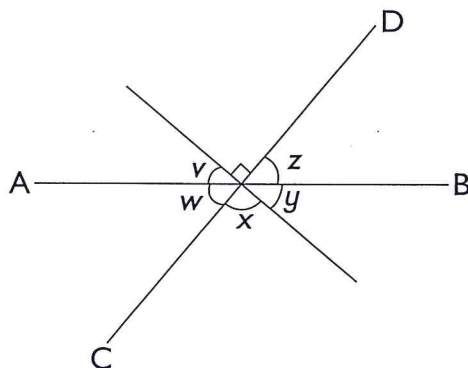
C 77°

B 65°

D 90°

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

AB and CD are straight lines.

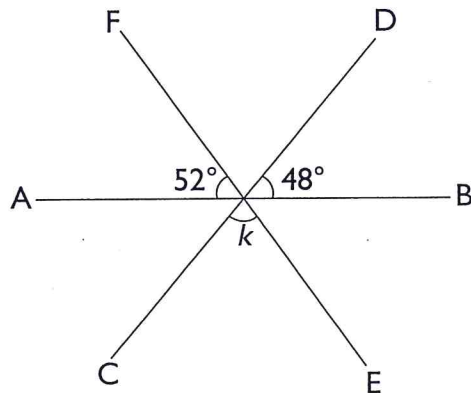


4. Which of the following statement must be true?

- 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.

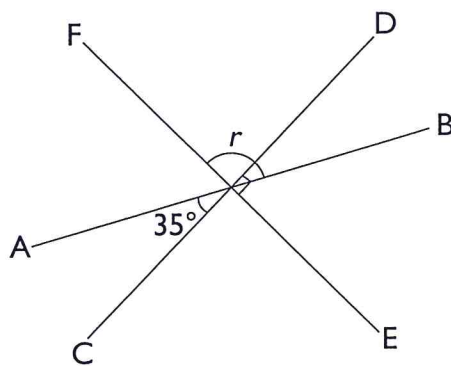
5. Which of the following statement must be false?
- A** $\angle w$ and $\angle y$ are adjacent angles.
 - B** $\angle w$ and $\angle z$ are vertically opposite angles.
 - C** The sum of $\angle v$, $\angle w$, $\angle x$, $\angle y$ and $\angle z$ is 360° .
 - D** The sum of $\angle x$ and $\angle y$ is equal to the sum of $\angle v$ and the right angle.

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



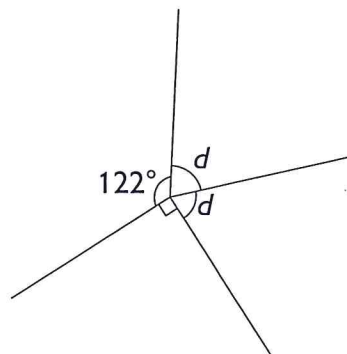
- | | |
|---------------------|----------------------|
| A 48° | C 80° |
| B 52° | D 100° |

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



- | | |
|----------------------|----------------------|
| A 55° | C 125° |
| B 115° | D 135° |

8. Find $\angle d$.



A 58°

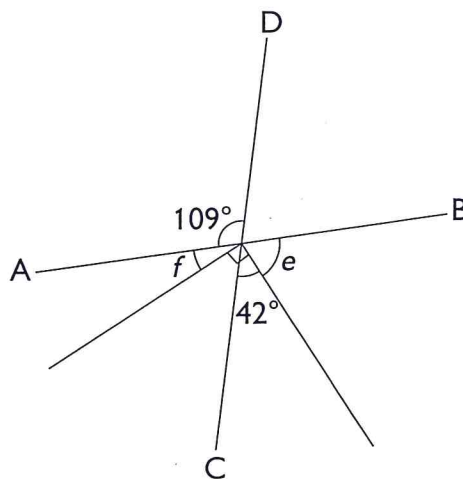
C 119°

B 74°

D 148°

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

AB and CD are straight lines.



9. Find $\angle e$.

A 29°

C 67°

B 48°

D 71°

10. Find $\angle f$.

A 19°

C 33°

B 23°

D 71°

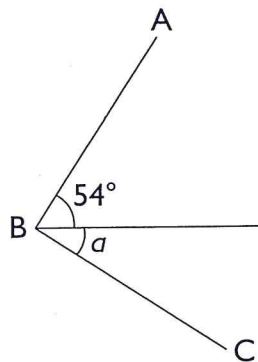
**Test
B****Unit 9: Angles****Chapter 3: Complementary Angles**

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 $\angle a$.



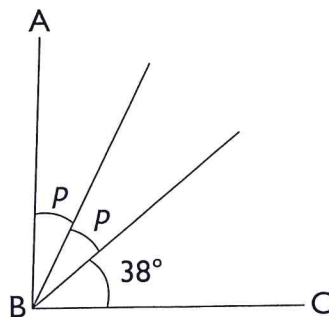
A 34°

C 44°

B 36°

D 46°

2. Find $\angle p$.



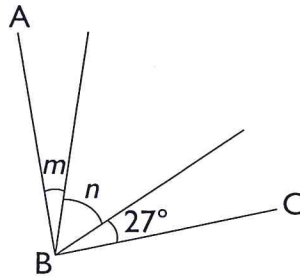
A 19°

C 38°

B 26°

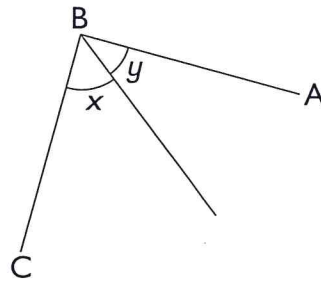
D 52°

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



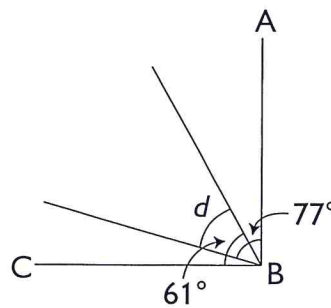
- | | | | |
|----------|------------|----------|------------|
| A | 9° | C | 45° |
| B | 18° | D | 63° |

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



- | | | | |
|----------|------------|----------|------------|
| A | 18° | C | 36° |
| B | 27° | D | 54° |

5. Find $\angle d$.



- | | | | |
|----------|------------|----------|------------|
| A | 13° | C | 29° |
| B | 16° | D | 48° |

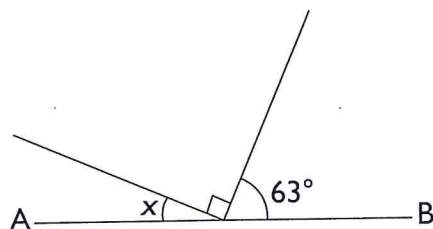
**Test
B****Unit 9: Angles****Chapter 4: Supplementary Angles**

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 $\angle x$.



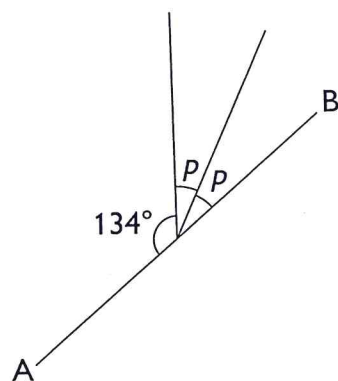
A 23°

C 33°

B 27°

D 37°

2. Find $\angle p$.



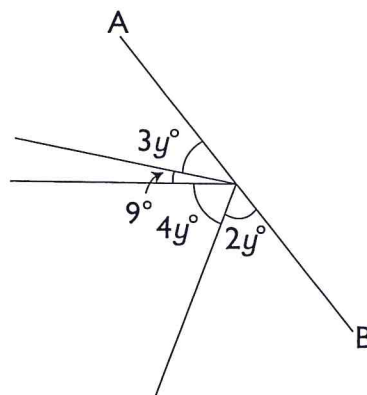
A 23°

C 46°

B 28°

D 44°

3. Find y .



A 19

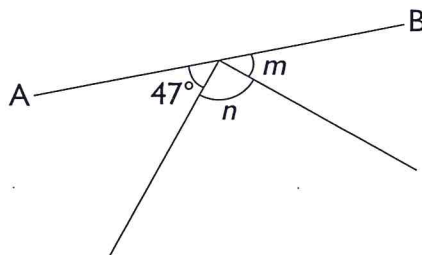
C 20

B 38

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°

C 38°

B 19°

D 135°

5. Find $\angle n$.

A 57°

C 81°

B 45°

D 95°