Adjacent Angles Worksheet

Geometry

Grades 4 to 5

Skill Questions

Name: ....

Date: ....

1 Name the adjacent angles.

D

A

C

B
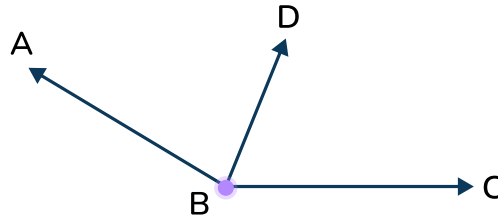
Answer

2 Name the adjacent angles.

M

L   N

O
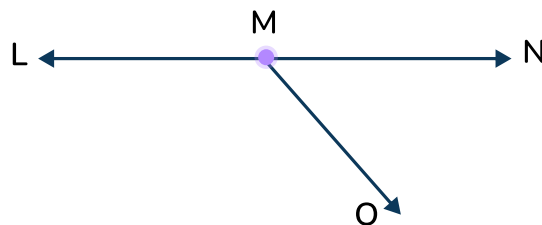
Answer

3 Name the adjacent angles.

P

L   N

M

O
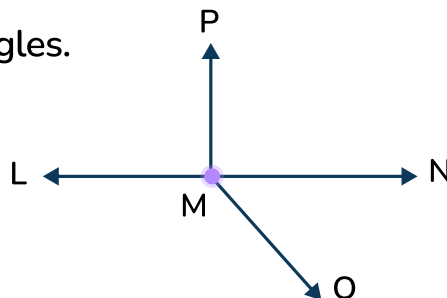
Answer

4 Name the acute angle that is adjacent to angle BFA.

B   A

F   L

C
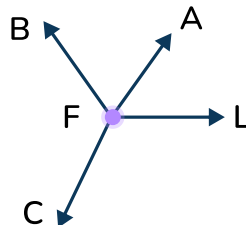
Answer

5 Name the right angle that is adjacent to angle LFM.
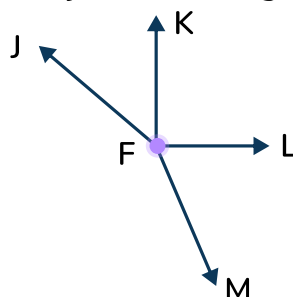
K

J

F   L

M

Answer

6 Name the obtuse angle that is adjacent to angle WXA.

W   A

X   Z

Y
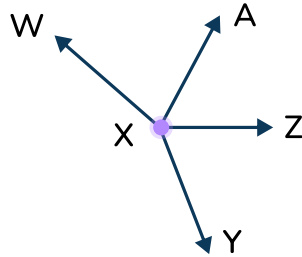
Answer

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7 The total angle measure of the adjacent angles is 180°. What is the measure of angle PRS?
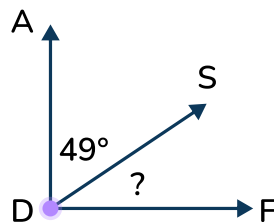
P

75°   ?

Q   R   S
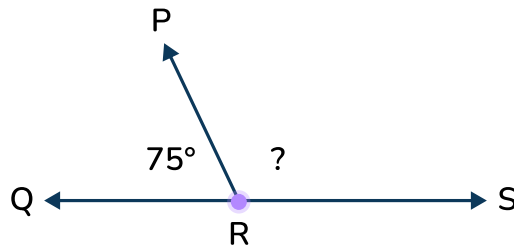
Answer

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8 The total angle measure of the adjacent angles is 120°. What is the measure of angle WNT?

L   W

54°   ?

N   T
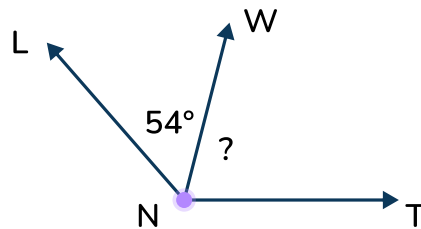
Answer

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9 The total angle measure of the adjacent angles is 90°. What is the measure of angle SDF?

A   S

49°   ?
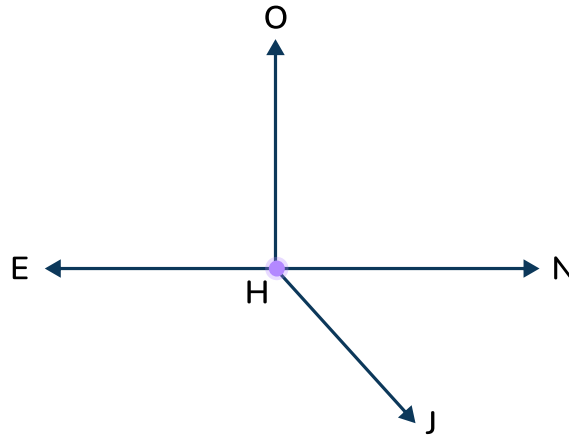
D   F

Answer

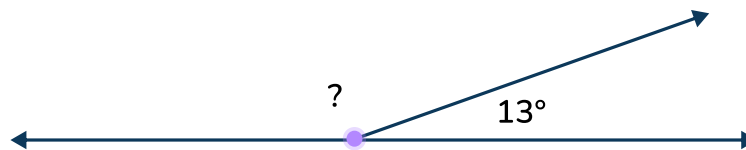**10** Angle RBK is a straight angle. Given the measurement of angle XBK, what is the measure of angle XBR?

X

?   82°

R   B   K
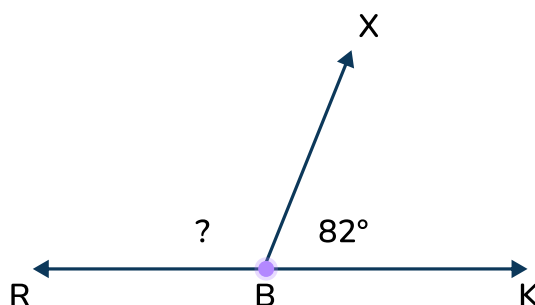
Answer

Applied Questions

11 Which angle is adjacent to NHJ?
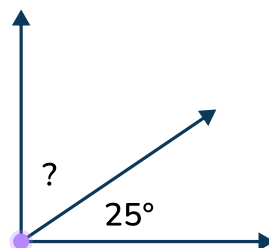
O

E ← → N

H

J

Answer

12 The adjacent angles shown below are supplementary angles, so together they equal 180°. What is the missing angle measure?
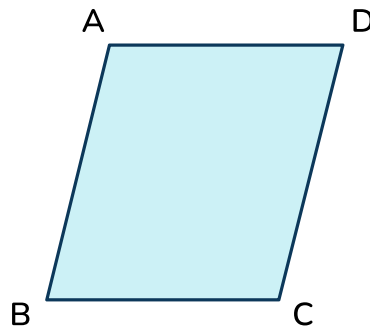
?

13°

Answer

13 The adjacent angles shown below are complementary angles, so together they equal 90°. What is the missing angle measure?
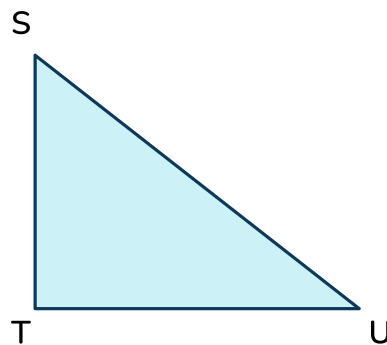
?

25°

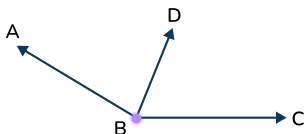*Answer*

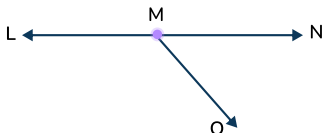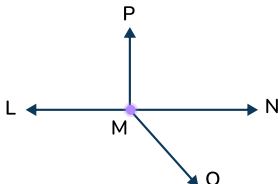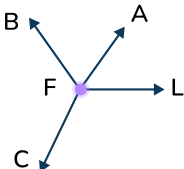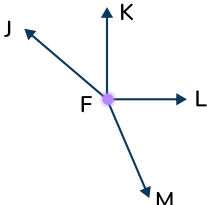**14** Which angles are adjacent to angle D?

A   D

B   C

Answer

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15 Which angles are adjacent to angle S?

S

T   U
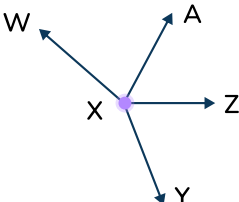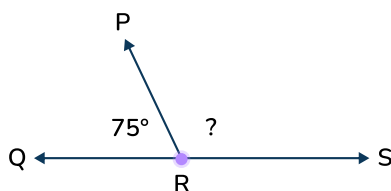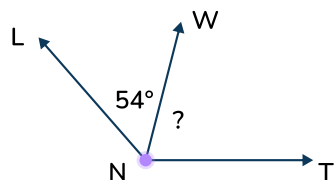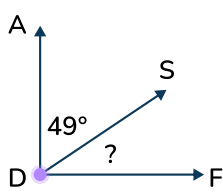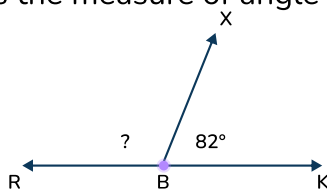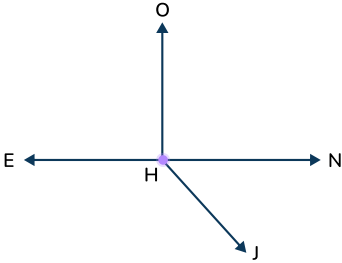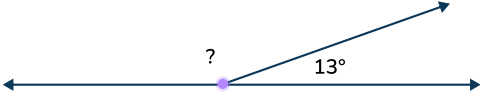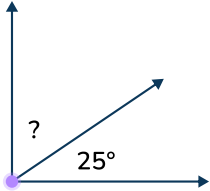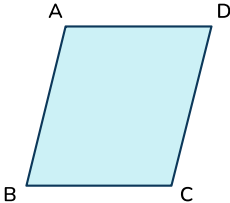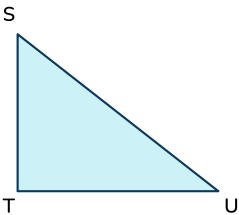
Answer

Answers

Question number	Question	Answers	Standard
1	Name the adjacent angles.	ABD and DBC	4.G.A.1
2	Name the adjacent angles.	LMO and NMO	4.G.A.1
3	Name the adjacent angles.	LMP and PMN PMN and NMO NMO and LOM LOM and LMP	4.G.A.1
4	Name the acute angle that is adjacent to angle BFA.	Angle AFL	4.G.A.1 4.MD.C.7
5	Name the right angle that is adjacent to angle LFM.	Angle KFL	4.G.A.1 4.MD.C.7

Adjacent Angles Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
6	Name the obtuse angle that is adjacent to angle WXA.	Angle WXY	4.G.A.1 4.MD.C.7
7	The total angle measure of the adjacent angles is 180°. What is the measure of angle PRS?	105 degrees	4.MD.C.7
8	The total angle measure of the adjacent angles is 120°. What is the measure of angle WNT?	66 degrees	4.MD.C.7
9	The total angle measure of the adjacent angles is 90°. What is the measure of angle SDF?	41 degrees	4.MD.C.7
10	Angle RBK is a straight angle. Given the measurement of angle XBK, what is the measure of angle XBR?	98 degrees	4.MD.C.7

Adjacent Angles Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
11	Which angle is adjacent to NHJ?	NHO and JHE	4.G.A.1
12	The adjacent angles shown below are supplementary angles, so together they equal 180°. What is the missing angle measure?	167 degrees	4.G.A.1 4.MD.C.7
13	The adjacent angles shown below are complementary angles, so together they equal 90°. What is the missing angle measure?	65 degrees	4.G.A.1 4.MD.C.7
14	Which angles are adjacent to angle D?	Angle A and B	4.G.A.1 4.MD.C.7
15	Which angles are adjacent to angle S?	Angle U and T	4.G.A.1 4.MD.C.7

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