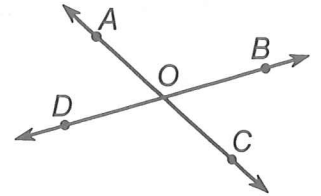


What Do You Call It When 50 People Stand on a Wooden Dock?

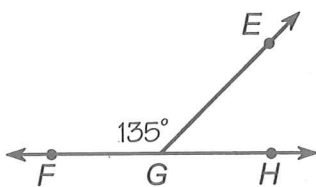
Cross out the letters above each correct answer. When you finish, write the remaining letters in the spaces at the bottom of the page.

In Exercises 1-4, fill in the blank.

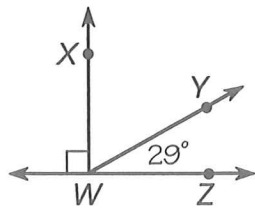
- If the sum of the measures of two angles is 180° , the angles are _____.
- If the sum of the measures of two angles is 90° , the angles are _____.
- When two angles in a plane share a vertex and a side but no common interior points, they are called _____ angles. Example: $\angle AOB$ and $\angle AOD$.
- When two lines intersect, they form two pairs of "opposite" angles called _____ angles. Example: $\angle AOB$ and $\angle COD$.



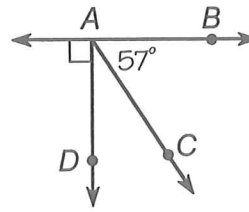
In Exercises 5-14, use the given angle measures to find the required ones.



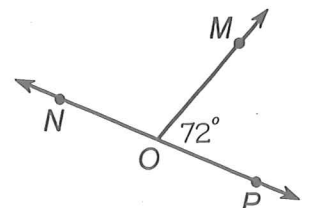
5. $m\angle EGH$



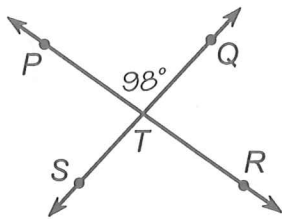
6. $m\angle XWY$



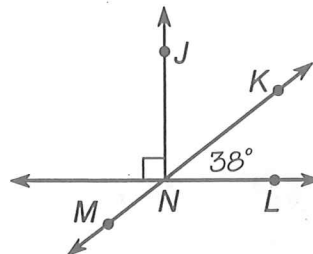
7. $m\angle DAC$



8. $m\angle MON$



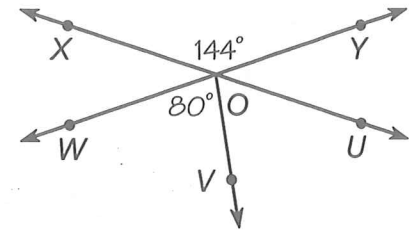
9. $m\angle STR$



10. $m\angle PTS$

11. $m\angle JNK$

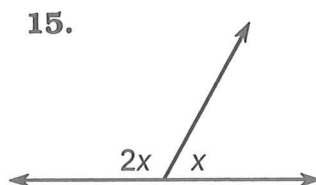
12. $m\angle MNL$



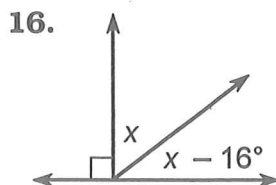
13. $m\angle YOU$

14. $m\angle UOV$

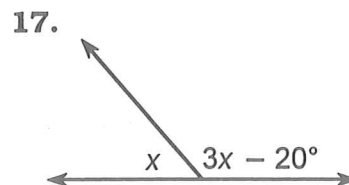
In Exercises 15-18, use an algebraic equation to find the measure of the angle labeled x .



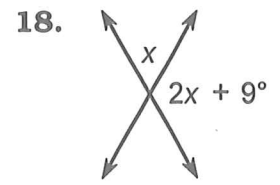
15.



16.



17.



18.

IT vertical	TH 64°	EY 52°	DO 61°	PI 55°	LE 57°	CK 108°	UP 82°	ER 39°	AN 53°	PR 107°	OP supplementary
AN adjacent	IC 98°	ES 137°	IT 60°	ON 45°	EE 142°	SU 28°	RF 50°	DO 33°	RE 48°	CK 36°	EN complementary

Have an Ice Day!

1 What do you call identical twin sisters when both are ice skating champions?

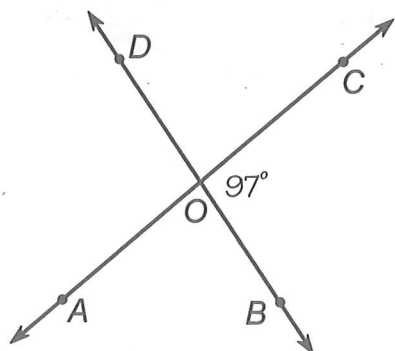
141° 48° 42° 44° 33° 129° 42° 42° 26° 69° 48° 72° 83° 26° 42° 70°

2 What unfortunate mistake did the champion ice skater make with his gold medal?

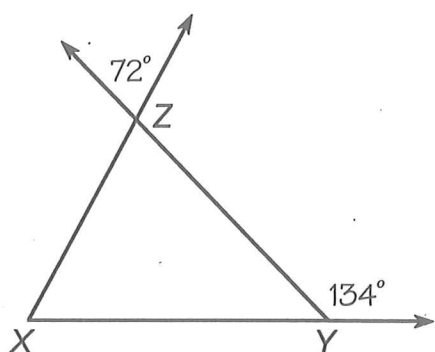
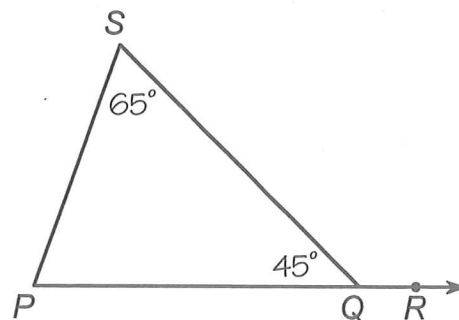
57° 42° 136° 57° 135° 46° 122° 141° 97° 28° 62° 147° 83° 26° 39° 42° 46°



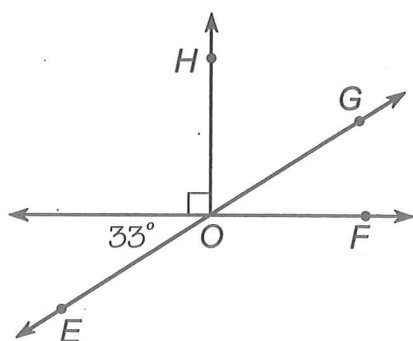
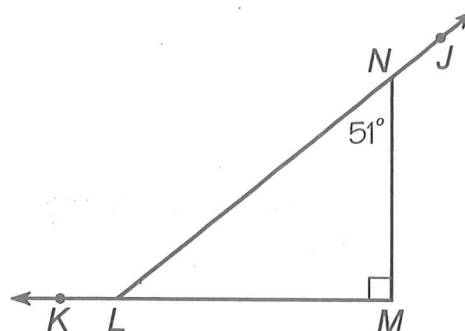
Use the given angle measures to find the angle measures indicated for each figure. Each time your answer appears in the code, write the letter of the exercise above it.



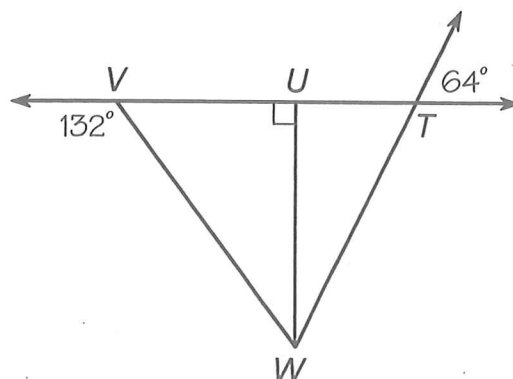
- T** $m\angle AOD =$
- O** $m\angle AOB =$
- A** $m\angle SQR =$
- S** $m\angle P =$



- L** $m\angle XZY =$
- D** $m\angle ZYX =$
- B** $m\angle X =$
- U** $m\angle JNM =$
- Z** $m\angle NLM =$
- I** $m\angle NLK =$



- Q** $m\angle FOG =$
- H** $m\angle GOH =$
- R** $m\angle EOF =$
- C** $m\angle UVW =$
- E** $m\angle VWU =$
- N** $m\angle UWT =$



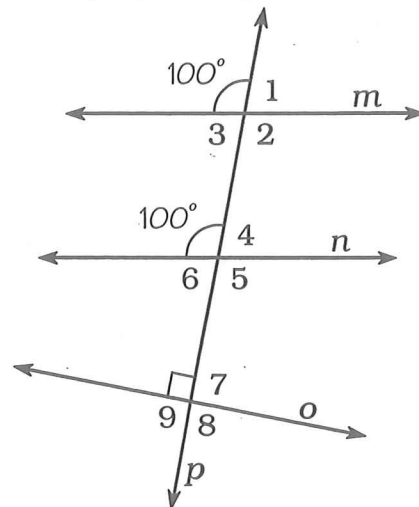
According to First-Year Student Bix Babble, What Is the Most Confusing Thing at College?



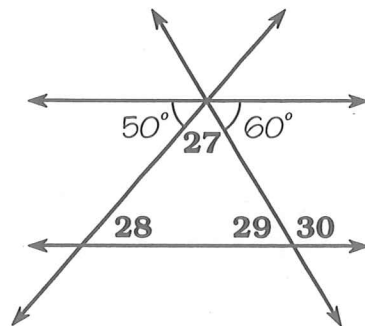
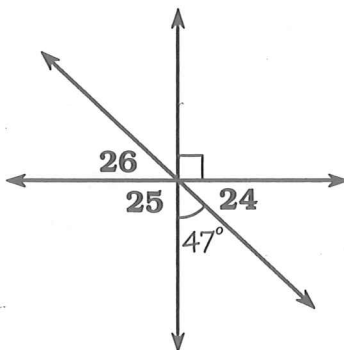
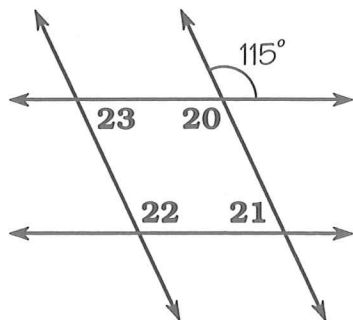
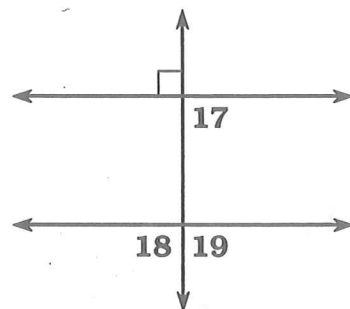
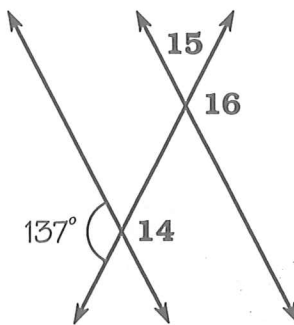
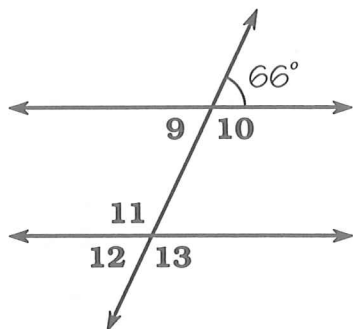
Find each answer in the Code Key and notice the letter below it. Write this letter in the box at the bottom of the page containing the exercise number.

In Exercises 1-8, write true or false next to the statement. If the statement is false, explain why.

- ____ 1. $\angle 1$ and $\angle 4$ are corresponding angles.
- ____ 2. $\angle 1$ and $\angle 4$ are congruent.
- ____ 3. $\angle 4$ and $\angle 7$ are corresponding angles.
- ____ 4. $\angle 4$ and $\angle 7$ are congruent.
- ____ 5. $\angle 1$, $\angle 3$, $\angle 4$, and $\angle 6$ all measure 80° .
- ____ 6. $\angle 2$, $\angle 5$, and $\angle 8$ all measure 100° .
- ____ 7. Lines m , n , and o are parallel.
- ____ 8. Lines o and p are perpendicular.



In Exercises 9-30, find the measure of the angle. (The angle number is the exercise number.) Assume that lines in each figure that do not intersect are parallel.



CODE KEY	true	false	43°	50°	60°	65°	66°	70°	90°	114°	115°	120°	137°
	N	E	S	T	B	C	A	D	I	L	G	F	H
28	16	6	23	11	9	26	15	21	12	10	13	4	27
29	7	20	25	5	1	18	3	22	30	17	2	8	19
24	14												