

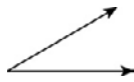
LESSON
2

Geometric Figures

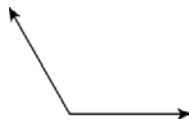
Practice A: Classifying Angles

Tell whether each angle is acute, right, obtuse, or straight.

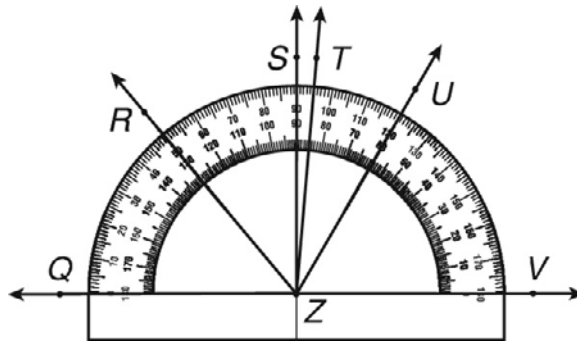
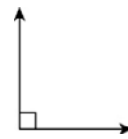
1.



2.



3.



Use the diagram to complete Exercises 4–8.

4. Add the measures of $\angle UZV$ and $\angle TZU$.

5. Are $\angle UZV$ and $\angle TZU$ complementary, supplementary, or neither?

6. Add the measures of $\angle QZR$ and $\angle RZS$.

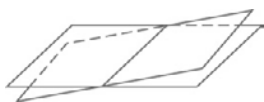
7. Are $\angle QZR$ and $\angle RZS$ complementary, supplementary, or neither?

8. Are $\angle QZS$ and $\angle VZS$ complementary, supplementary, or neither?

9. Angles G and H are supplementary. If $m\angle G$ is 80° , what is $m\angle H$?

10. Angles M and N are complementary. If $m\angle M$ is 20° , what is $m\angle N$?

2. Answers will vary.
Possible answer given.



Problem Solving

Answers may vary.
Possible answers are given

- | | |
|--|--|
| 1. \overleftrightarrow{JK} and \overleftrightarrow{LM} | 2. \overrightarrow{RQ} and \overline{ST} |
| 3. \overleftrightarrow{JK} and \overleftrightarrow{LM} | 4. plane RLM |
| 5. B | 6. J |
| 7. A | 8. G |

Reading Strategies

- line
- line segment
- ray
- congruent line segments
- Possible answer: a flat surface that extends without end in all directions

Puzzles, Twisters & Teasers



B A R K

Answers for Lesson 2

Practice A

- | | |
|------------------|-------------------------------------|
| 1. acute | 2. obtuse |
| 3. right | 4. $60^\circ + 25^\circ = 85^\circ$ |
| 5. neither | 6. $50^\circ + 40^\circ = 90^\circ$ |
| 7. complementary | 8. supplementary |

9. 100° 10. 70°

Practice B

- | | |
|----------------|------------------|
| 1. straight | 2. acute |
| 3. obtuse | 4. supplementary |
| 5. neither | 6. complementary |
| 7. neither | 8. complementary |
| 9. 143° | 10. 26° |
| 11. 97° | 12. 49° |

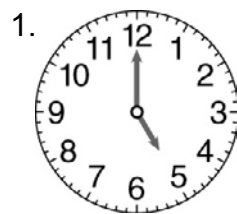
Practice C

- | | |
|-------------------------------|------------------|
| 1. right | 2. obtuse |
| 3. acute | 4. neither |
| 5. complementary | 6. supplementary |
| 7. neither | 8. 74° |
| 9. 102° | |
| 10. supplementary; 58° | |
| 11. complementary; 55° | |

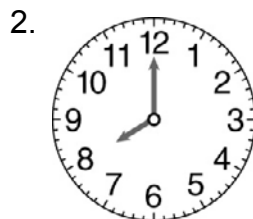
Review for Mastery

- | | |
|-------------------------------|---------------------------|
| 1. 90° ; right | 2. 60° ; acute |
| 3. 120° ; obtuse | 4. 180° ; straight |
| 5. complementary; 90° | |
| 6. supplementary; 180° | |

Challenge



150°



120°

- | | |
|----------------|----------------|
| 3. 30° | 4. 60° |
| 5. 132° | 6. 174° |
| 7. 24° | 8. 168° |