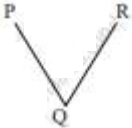

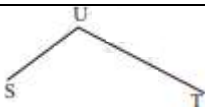


Chapter 6: Angles



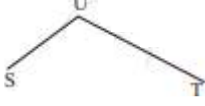
PROBLEM SET 24 [PAGE 35]

Problem Set 24 | Q 1 | Page 35

Complete the following table.

| Diagram | Name of the angle | Vertex | Arms of an angle |
|---|-------------------|--------|------------------|
|  | | | |
|  | | | |
|  | | | |

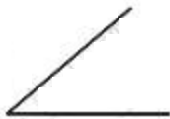
SOLUTION

| Diagram | Name of the angle | Vertex | Arms of an angle |
|---|---------------------------------|--------|------------------|
|  | $\angle PQR$ or $\angle RQP$ | Q | QP and QR |
|  | $\angle LMN$ or $\angle NML$ | M | ML and MN |
|  | $\angle SUT$ or $\angle TUS$ | U | US and UT |

PROBLEM SET 25 [PAGE 37]

Problem Set 25 | Q 1.1 | Page 37

Measure the angles given below and write the measure in the given boxes.



SOLUTION

The measure angle is 40°

Problem Set 25 | Q 1.2 | Page 37

Measure the angle given below and write the measure in the given box.



SOLUTION

The measure of the angle is 120°

Problem Set 25 | Q 1.3 | Page 37

Measure the angle given below and write the measure in the given box.



SOLUTION

The measure of the angle is 90°

Problem Set 25 | Q 1.4 | Page 37

Measure the angles given below and write the measure in the given boxes.



SOLUTION

85°

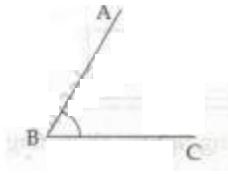
PROBLEM SET 26 [PAGE 38]

Problem Set 26 | Q 1 | Page 38

Draw and name the following angle with the help of a protractor.

60°

SOLUTION

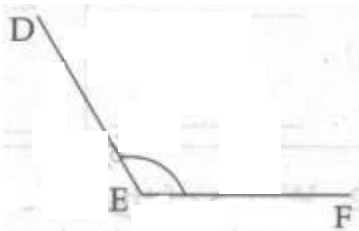


The Measure of $\angle ABC$ is 60°

Problem Set 26 | Q 2 | Page 38

Draw and name the following angle with the help of a protractor.
 120°

SOLUTION

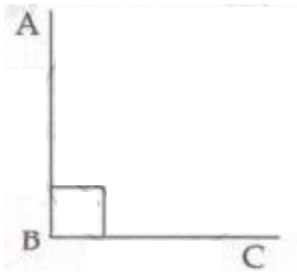


The measure of $\angle DEF$ is 120°

Problem Set 26 | Q 3 | Page 38

Draw and name the following angles with the help of a protractor.
 90°

SOLUTION

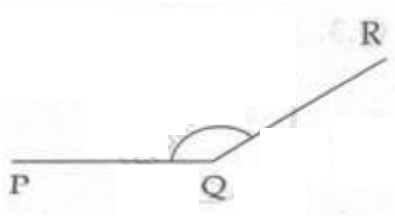


The Measure of $\angle ABC$ is 90°

Problem Set 26 | Q 4 | Page 38

Draw and name the following angle with the help of a protractor.
 150°

SOLUTION

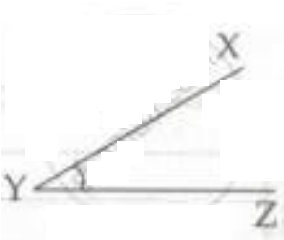


The Measure of $\angle PQR$ is 150°

Problem Set 26 | Q 5 | Page 38

Draw and name the following angle with the help of a protractor.
 30°

SOLUTION

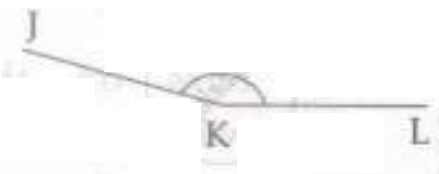


The Measure of $\angle XYZ$ is 30°

Problem Set 26 | Q 6 | Page 38

Draw and name the following angle with the help of a protractor.
 165°

SOLUTION

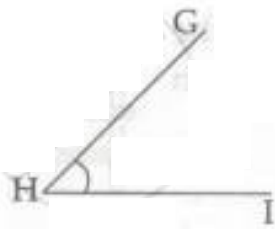


The measure of $\angle JKL$ is 165°

Problem Set 26 | Q 7 | Page 38

Draw and name the following angle with the help of a protractor.
 45°

SOLUTION



The Measure of $\angle GHI$ is 45°

PROBLEM SET 27 [PAGE 40]

Problem Set 27 | Q 1 | Page 40

Give two examples of parallel lines you can see in your environment.

SOLUTION

- i. Bars on the window.
- ii. Horizontal lines in the notebook are the examples of parallel lines.

Problem Set 27 | Q 2 | Page 40

Give two examples of perpendicular lines you can see in your environment.

SOLUTION

- i. The angles formed by a pole and its shadow on the ground.
- ii. The adjacent sides of a notebook.

Problem Set 27 | Q 3.1 | Page 40

Look at the picture given below. Decide whether the lines given in the picture are parallel or perpendicular to each other and write the answer in the box.

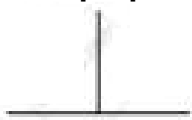


SOLUTION

Parallel lines

Problem Set 27 | Q 3.2 | Page 40

Look at the picture given below. Decide whether the lines given in the picture are parallel or perpendicular to each other and write the answer in the box.



SOLUTION

Perpendicular lines

Problem Set 27 | Q 3.3 | Page 40

Look at the picture given below. Decide whether the lines given in the picture are parallel or perpendicular to each other and write the answer in the box.

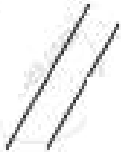


SOLUTION

Parallel lines

Problem Set 27 | Q 3.4 | Page 40

Look at the picture given below. Decide whether the lines given in the picture are parallel or perpendicular to each other and write the answer in the box.



SOLUTION

Parallel lines

Problem Set 27 | Q 3.5 | Page 40

Look at the picture given below. Decide whether the lines are given in the picture is parallel or perpendicular to each other and write the answer in the box.



SOLUTION

Perpendicular lines.