Monday:

Complete the multiplication problems below:

37 <u>x</u> s

5.091

x 5

Tuesday:

What is 287 divided by 7?

Complete the sentence by writing the correct number on the line:

What is 969 divided by 3?

Which number makes the equation true?

A. 6 B. 7 C. 8 D. 9

Susan gets paid \$9 for each hour she works. She earned \$414 for one week's work. How many hours did Susan work that week? Show your work.

Which numbers can be evenly divided by 4? Circle all correct answers.

625

408

332

801

190

Wednesday:

Which expressions have a value of 26? Circle all the correct answers.

Complete each number sentence by writing the missing number on the blank line.

Thursday:

Complete the division problems below:

Becky counted 3 rainy days in March. She counted 2 times as many rainy days in April as in March. Write an equation to find the number of rainy days (use rfor rainy days) in March and April. Then solve the equation to find the answer.

Friday:
Samuel wants to finish a hike in 60 minutes. He finished the first section in 17 minutes and the second section in 19 minutes. Complete the equation to show how many minutes, <i>m</i> , he must finish the final section in to reach his goal. Then, solve the equation to find the answer.
+ + m = Answer: minutes
Max has 4 fish. He feeds each fish 5 food pellets a day. Each jar of fish food has 300 pellets in it. Complete the equation to show how many days, d, one jar of fish food lasts. Then solve the equation to find the answer.
(x) x d = Answer: days
Tiffany had \$244 in her savings account. After spending \$68, she had 4 times as much in her account as Brady. How much does Brady have in his account?
W-100
Work Space:

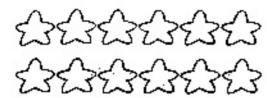
Name: _____

Date: _____

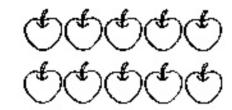
Lesson 6.7 Fraction of a Set

What fraction of each set of objects is shaded? Express your answer in simplest form.

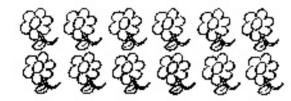
1.



2.



3.





4.





Use a model to help you answer each question.

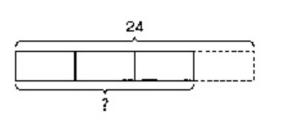
Example —

What is
$$\frac{3}{4}$$
 of 24?

$$1 \text{ unit} = 6$$

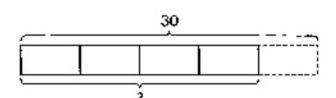
3 units
$$= 6 \times 3 = 18$$

So,
$$\frac{3}{4}$$
 of $24 = 18$.



5. What is $\frac{4}{5}$ of 30?

So,
$$\frac{4}{5}$$
 of $30 =$ ______



6. What is $\frac{5}{6}$ of 48?

7. What is $\frac{5}{12}$ of 60?

Solve.

8.
$$\frac{2}{3} \times 45 =$$

10.
$$\frac{2}{7} \times 35 =$$

12.
$$\frac{5}{6} \times 60 \div$$

14.
$$\frac{7}{9} \times 45$$
 ...

9.
$$\frac{4}{9} \times 36 -$$

11.
$$\frac{3}{8} \times 32 -$$

13.
$$\frac{3}{4} \times 36 =$$

15.
$$\frac{3}{5} \times 40$$
 ·

lame: _____ Date: ____

Lesson 6.8 Real-World Problems: Fractions

Solve. Show your work.

1. Arthur had \$90. He spent \$40 and gave \$20 to his brother. What fraction of Arthur's money is left?

2. A baker has 20 pounds of sugar. He uses $\frac{3}{4}$ of the sugar to bake mulfins. How much sugar does he have left?

- 3. Mya buys 6 goldfish and 4 angelfish.
 - u. What fraction of the fish are goldfish?

b. Mya buys 2 more goldfish. What fraction of the fish are angelfish?

4. Cheryl spends $\frac{3}{10}$ of her savings on a book, and $\frac{2}{5}$ on a pen. What fraction of her savings does Cheryl spend?

5. Of the vehicles on the road, $\frac{1}{2}$ are cars and $\frac{1}{8}$ are motorcycles. What fraction of the vehicles are not cars or motorcycles?

6. Allie's plant has a height of 6 meters. Rajon's plant grows 3/10 meter higher. How high does Rajon's plant grow?

7. There are 10 packets of ham. Of the packets, $\frac{2}{5}$ are turkey ham. Each packet of turkey ham weighs $\frac{1}{3}$ pound. What is the total weight of the turkey ham?

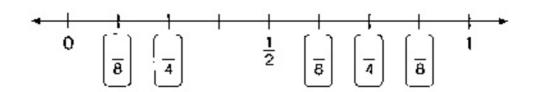
8. Corla spends ⁶/₄ hours exercising every day for 12 days. She spends ¹/₂ of her exercise time every day lifting weights. How much time does Carla spend lifting weights during the 12 days?

Nome:

Pate: ____

Lesson 6.9 Line Plots with Fractional Units

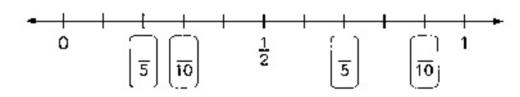
1. This line has 8 equal intervals from 0 to 1. Fill in the missing fractional units



Fill in the blanks using the above line plot.

- 2. _____ < .. .
- 3. ______ <
- **4.** > . . _ . _
- 5- .___ > __
- 6. $\frac{1}{2} + \frac{5}{8} =$
- 7. $\frac{1}{4} + \frac{7}{8} =$
- 8. $\frac{7}{8} \frac{3}{4} =$
- 9. $\frac{3}{4} \frac{3}{8} =$

10. This line has 10 equal intervals from 0 to 1. Fill in the missing fractional units.



Fill in the blanks using the above line plot.

- 11. <
- 12. .. < ..._____

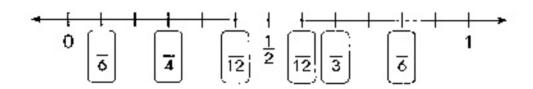
15.
$$\frac{3}{10} + \frac{4}{5} =$$

16.
$$\frac{7}{10} + \frac{1}{2} =$$

17.
$$\frac{9}{10} - \frac{1}{2} =$$

18.
$$\frac{4}{5} - \frac{7}{10} =$$

19. This line has 12 equal intervals from 0 to 1. Fill in the missing fractional units.



Fill in the blanks using the above line plot.

24.
$$\frac{5}{12} + \frac{5}{6}$$

25.
$$\frac{7}{12} + \frac{1}{4} =$$

26.
$$\frac{2}{3} - \frac{7}{12} =$$

27.
$$\frac{11}{12} - \frac{1}{2} =$$

Recall Prior Knowledge

Defining a point, line, and a line segment-

Definition	Example	You Say and Write
TO THE REPORT OF THE PERSON OF	des Tyles A	
	V 4.	STEET OF THE STEET
EPET POT kethanene		es Gail.
6 555 023 (\$45)		
- (0.00) (0.00)		a say i ga <u>a a a a a a a a a a a a a a a a a a</u>

D-6			
Defin	ıng	ang	les

An angle is formed by two line segments with a common endpoint.

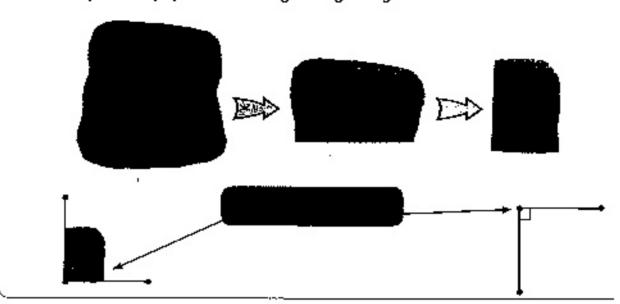


An angle can also be formed when two sides of a figure meet.

	side	
side		
i		

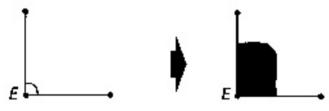
Making a right angle

Fold a piece of paper like this to get a right-angled comer.



Comparing angles with a right angle

Compare an angle with a right angle.



Angle E is the same as a right angle.



Angle F is less than a right angle.



Angle G is greater than a right angle.

Use the folded paper to check if the angles are less than or greater than a right angle.

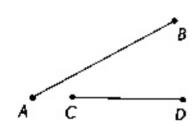




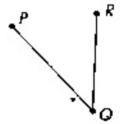
Complete with point, line, or line segment.

- A is an exact location in space.
- 2 A is a part of a line with two endpoints.
- 3 A is a straight path continuing without end in two opposite directions.

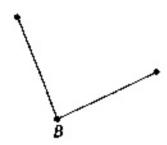
ecide whether each figure forms on angle. Explain your answer.



€



ome the angle.



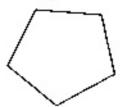
Angle

Copy the shapes. Mark an angle in each shape.

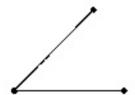
Rectangle



Pentagon



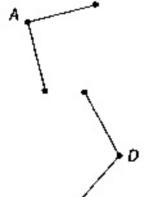
Decide whether the line segments in each angle form a right angle. Use a piece of folded paper to help you. Explain your answer.

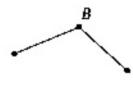


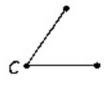




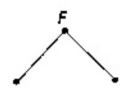
Look at the angles. Then answer the questions. Use a piece of folded paper to help you.











- Which angles are right angles?
- Which angles measure less than a right angle?
- Which angles measure greater than a right angle?



Understanding and Measuring Angles

esson Objectives

Estimate and measure angles with a protractor. Estimate whether the measure of an angle is less than or greater than a right angle (90°).



inner scale outer scale acute angle 5 obtuse angle 5

Use letters to name rays and angles.

A ray is part of a line that continues without end in one direction. It has one endpoint. You can use two letters to name a ray. The first letter is always the endpoint.

You can write ray \overrightarrow{AB} as $\overrightarrow{\overrightarrow{AB}}$, and ray \overrightarrow{BA} as $\overrightarrow{\overrightarrow{BA}}$.

In the same way, you can write:

- In a CD or DC as \overrightarrow{CD} or \overrightarrow{DC} .
- lacktriangledown line segment EF or FE as \overline{EF} or \overline{FE} .

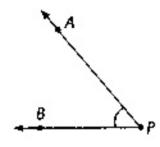
A B

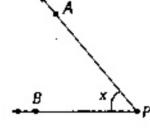
B A

C D

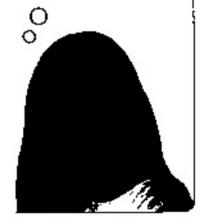
E F

 \overrightarrow{PA} and \overrightarrow{PB} are rays meeting at point P.





In naming angles using three letters, the vertex is always the middle letter.



The point P is called the **vertex**. Name the angle at vertex $P \angle APB$ or $\angle BPA$. If you label the angle at vertex P as x, you can also name it $\angle x$.

Guided Practice

Name the angles.



An angle is also formed by two sides of a shape meeting at a point.

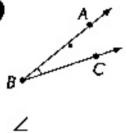


- Angle at P: ∠
- Angle at R: ∠

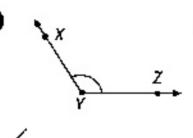
- 2 Angle at Q: ∠
- Angle at S: ∠

Name the angles.

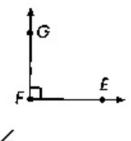




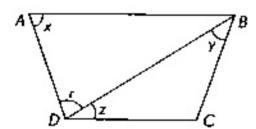
0



G



Name the angles labeled at the vertices A, B, C, and D in another way.



- ② ∠x: ∠
- $\mathbf{0} \angle \mathbf{y} \angle$

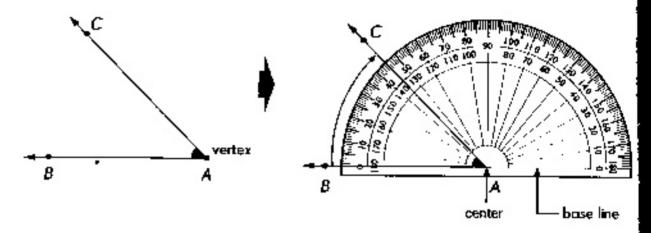
- **①** ∠n ∠

Use a protractor to measure an angle in degrees.



An angle measure is a fraction of a full turn. An angle is measured in degrees. For example, a right angle has a measure of 90 degrees. You can write this as 90°.

You can use a protractor to measure an angle.

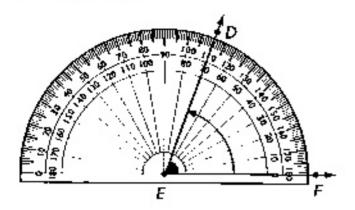


- **Step 1** Place the base line of the protractor on \overrightarrow{AB} .
- **Step 2** Place the center of the base line of the protractor at the vertex of the angle.
- **Step 3** Read the **outer scale**. \overrightarrow{AC} passes through the 45° mark. So, the measure of the angle is 45°.



Since \overrightarrow{AB} passes through the zero mark of the outer scale, read the measure on the outer scale.

Measure ∠DEF.



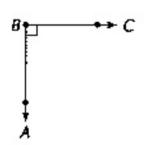
The measure of $\angle DEF$ is less than that of a right angle. It is 70 degrees.

Measure of $\angle DEF =$

Since \overrightarrow{EF} passes through the zero mark of the **inner scale**, read the measure on the inner scale.

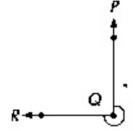
Suided Practice

omplete.



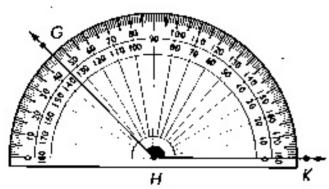
The measure of $\angle ABC$ is of a turn.

Œ



The measure of $\angle PQR$ is of a turn.

Measure ∠GHK.



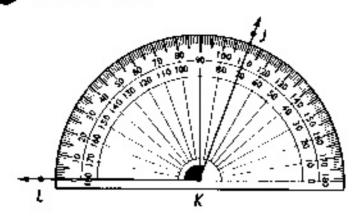
Is the measure of $\angle GHK$ less than or greater than 90°?

The measure of ∠GHK is degrees.

Measure of $\angle GHK =$

Explain when to use the inner scale of the protractor.

Measure ∠JKL.



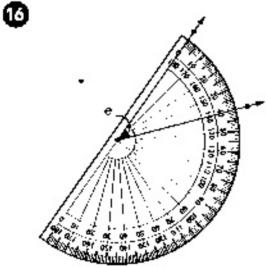
Is the measure of ZJKL less than or greater than 90°?

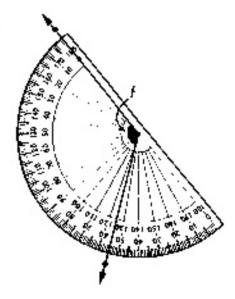
The measure of $\angle JKL$ is degrees.

Measure of $\angle JKL =$

Did you read the inner or outer scale? Explain your answer.

Find the measure of each angle.





Measure of $\angle e =$

Measure of $\angle t =$

acute angle obtuse ang

So, ∠e is an ongle, and $\angle f$ is an angle.



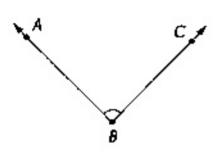


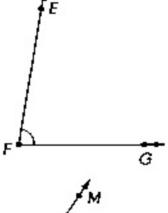


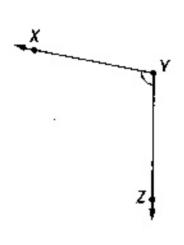


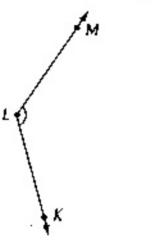
Estimate the measure of each angle by comparing it to a right angle (90°). Then measure each one with a protractor.

Decide if each angle is an acute angle, an obtuse angle, or a right angle.









Record your answers in a table like this.

Angle	Estimated Measure	Actual Measure	Type of Angle
ZABC	80°	90 .	Right Ange



The steps for measuring these angles are not in order. Arrange the steps in order by using 1, 2, or 3 in each box.

Obtuse angle

Step

Place the center of the base line of the protractor at vertex B of the angle.

Step

Place the base line of the protractor on ray BA.

Read the outer scale at the point where ray BC crosses it. The reading is 116°. So, the angle measure is 116°.

Acute angle

Step

Read the inner scale at the point where ray NM crosses it.

The reading is 50°.

So, the angle measure is 50°.

Place the base line of the protractor Step on ray NO.

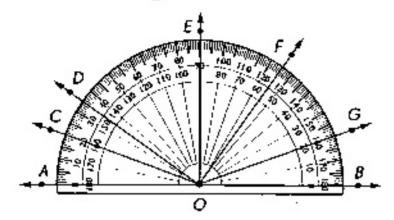
> Place the center of the base line of the protractor at vertex N of the angle.

Compare the measures of the two angles in Exercises 1 and 2. Use < card > in your answers.

Step

et's Practice

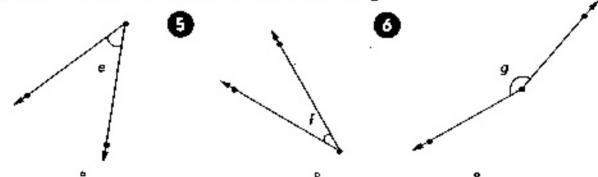
lame and measure the angles.



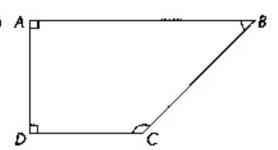
- Name two angles that are right angles.
 - Name four angles that are acute angles.

 What are the measures of these angles?
- Name four angles that are obtuse angles.
 What are the measures of these angles?

se a protractor to find the measure of each angle.



se a protractor to measure each marked angle.



ON YOUR OWN

Go to Workbook B: Practice 1, pages 45–50