

## Division; Angles

### Division

In Unit 6 your child will divide multidigit numbers using extended division facts, multiples, area models, and partial quotients. Working with more than one division strategy helps students build conceptual knowledge and means that they have more than just one method to choose from. Throughout the unit students solve multistep division number stories involving dividends with multiple digits, learn the meaning of the remainders, and apply their division skills in real-life contexts.

The unit begins with extended division facts. Knowing that  $24 \div 4 = 6$  enables students to see that  $240 \div 4 = 60$ ;  $240 \div 40 = 6$ ;  $2,400 \div 4 = 600$ ; and so forth. Students play *Divide and Conquer*, where they practice dividing with extended facts. The confidence they build by working with extended division facts will help them to divide larger numbers with ease.

Students also learn the partial-quotients division method, in which the dividend is divided in a series of steps. The first example below illustrates a model of the partial-quotients method for  $1,325 \div 9$ . When students partition, or divide, the 1,325 into parts ( $900 + 360 + 63 + 2$ ), it helps them develop their understanding of the algorithm. The second example uses the partial-quotients method. The quotients for each step are added together to give the final answer.

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### Angles

Students continue their work with angle measurement and learn to use both full-circle and half-circle protractors. They learn that angle measurements can be added, and they use this understanding and properties of angles to find unknown angle measures.

### Fraction Operations

Students continue working with addition and subtraction of fractions and mixed numbers. They apply their knowledge of multiplication to explore multiplying a fraction by a whole number.

**Please keep this Family Letter for reference as your child works through Unit 6.**

## Vocabulary

Important terms in Unit 6:

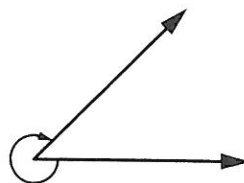
**complementary angles** Angles with measures that equal  $90^\circ$  when added together.

**extended division facts** Variations of division facts involving multiples of 10, 100, and so on. For example,  $720 \div 8 = 90$  is an extended fact related to  $72 \div 8 = 9$ .

**partial quotients** A way to divide in which the dividend is divided in a series of steps. The quotients for each step (called partial quotients) are added to give the final answer.

**protractor** A tool that measures angles in degrees.

**reflex angle** An angle measure that is between  $180^\circ$  and  $360^\circ$ .



**straight angle** An angle that measures  $180^\circ$ .

**supplementary angles** Angles with measures that equal  $180^\circ$  when added together.

## Do-Anytime Activities

To work with your child on concepts taught in this unit, try these activities.

1. Practice extended division facts, such as  $1,800 \div 30$ .
2. Ask your child to help you divide something for dinner into equal portions for each member of your family. For example, ask, "How can we divide the 5 chicken breasts equally for the 4 of us?"
3. Ask questions like these:
  - What kind of angles do you see on a stop sign?
  - What types of angles are on our tile or wood floors, or on the walls?
  - What types of angles are in a rectangular sign?
  - What types of angles do you see in the supports for the bridge?
4. Make up some situations such as those listed directly above, and encourage your child to draw a picture or diagram to show you how to solve it.

## Building Skills through Games

In this unit your child will play the following games to increase his or her understanding of division and angles. For detailed instructions on how to play these games, please see the *Student Reference Book*.

**Angle Add-Up** See *Student Reference Book*, page 248. This game provides practice adding and subtracting angle measures.

**Divide and Conquer** See *Student Reference Book*, page 254. This game for three players—the Caller, the Brain, and the Calculator—provides practice with extended division facts.

## As You Help Your Child with Homework

As your child brings assignments home, it may be helpful to review the instructions together, clarifying them as necessary. The answers listed below will guide you through some of the Home Links in Unit 6.

### Home Link 6-1

1. 4; 40
3. a. 5      b. 50      c. 500      d. 5
5. a. 2      b. 20      c. 200      d. 2
7. 2,280      9. 6,335

### Home Link 6-2

1. Sample answer:  $2 * s = 60$ ; 30 meters
3. 3; 7; 45; 10      5. 60      7. 60

### Home Link 6-3

1. 40, 42, 44, 46, 48, 50;  
 $46 / 2 = b$ ; 23 packages;  $46 / 2 = 23$
3. 820      5. 999

### Home Link 6-4

1. Sample estimate:  $45 / 3 = 15$ ;  $48 \div 3 = p$ ;  
16 pounds
3. Sample answer:  $\frac{3}{6}, \frac{4}{8}$
5. Sample answer:  $\frac{1}{4}, \frac{3}{12}$

### Home Link 6-5

1. Sample answer: 115 is the total number of students. 4 is the number of buses. 28 is the number of students per bus. 3 is the number of students left over after dividing evenly.
2. Sample answer: Because 28 students from each class can be on a bus and there are 3 students left over, 3 buses will have 29 students. Then, because each bus needs a teacher, 3 buses will have 30 passengers on them and 1 bus will have 29 passengers.

Mr. Atkins's class has too many students to fit on one bus. So he can go on the bus with most of his students, and 2 students will have to ride on another bus. His bus will have 30 passengers.

Mrs. Gonzales's class has the fewest students. Because she has 27 students and adding herself makes 28 passengers, her bus will have room for Mr. Atkins's 2 extra students.

Mr. Bates and his students are a perfect fit for a bus. There will be 30 passengers on his bus.

Ms. Smith and her students fit on a bus, with room for one more. However, that spot is not needed.

3.  $\frac{7}{8}$       5.  $\frac{2}{5}$

### Home Link 6-6

1. 12,000; 7; 16,000, 11      3. 8,000 pounds
5.  $\frac{7}{8}$       7.  $\frac{53}{100}$

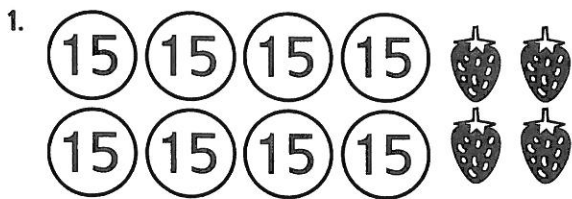
### Home Link 6-7

1. Sample answer:

$$\begin{array}{r} 5 \overline{)360} \\ - 350 \\ \hline 10 \\ - 10 \\ \hline 0 \end{array} \quad \begin{array}{l} 70 \\ 2 \\ 72 \end{array}$$

Sample estimate:  $350 \div 5 = 70$ ;  $360 \div 5 = p$ ;  
72 prizes; 0 prizes

3. Sample estimate:  $160 / 8 = 20$ ; 23
5. 0.08, 0.34, 0.98, 9.8      7. >

**Home Link 6-8**

Sample number models are given.

$$124 \div 8 = s; 15 \frac{4}{8}, \text{ or } 15 \frac{1}{2} \text{ strawberries;}$$

$$124 \div 8 \rightarrow 15 \text{ R}4;$$

**B.** Reported it as a fraction;

Sample answer: You can cut the remaining strawberries into halves.

3.  $\frac{3}{8}, \frac{3}{6}, \frac{3}{5}, \frac{3}{3}$

5.  $\frac{1}{2}, \frac{2}{3}, \frac{6}{8}, \frac{99}{100}$

**Home Link 6-9**

1. Right;  $90^\circ$

3. Acute;  $45^\circ$

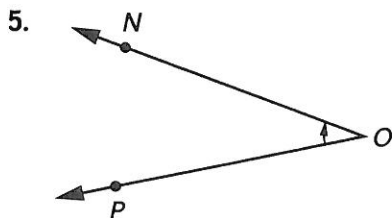
5. 692

7. 680

**Home Link 6-10**

1.  $60^\circ$

3.  $84^\circ$



7. 65,811

9. 64,091

**Home Link 6-11**

1. Sample answer:  $30^\circ + y = 90^\circ$ ;  $60^\circ$

3. Sample answer:  $90^\circ - z = 75^\circ$ ;  $15^\circ$

5. Sample answer:  $180^\circ - 60^\circ = a$ ;  $120^\circ$

7.  $\frac{7}{12}, \frac{7}{10}, \frac{7}{9}, \frac{7}{8}$

**Home Link 6-12**

1. a. Strawberries;  $\frac{3}{12} + \frac{1}{12} = b$ ;  $\frac{4}{12}$  pound

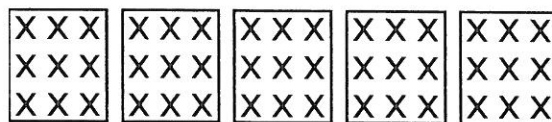
b.  $\frac{3}{12} - \frac{1}{12} = p$ ;  $\frac{2}{12}$  pound

3.  $4\frac{2}{8} + 1\frac{3}{8} = p$ ;  $5\frac{5}{8}$  pounds

5. 2,400

**Home Link 6-13**

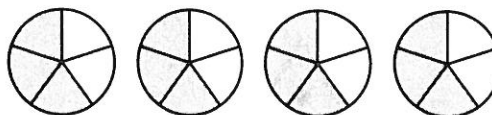
1. 45 children; Sample answer:



5 groups of 9;

$$9 + 9 + 9 + 9 + 9 = 45; 5 \times 9 = 45$$

3.  $2\frac{2}{5}$  veggie pizzas; Sample answer:



4 groups of  $\frac{3}{5}$ ;

$$\frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \frac{12}{5}; 4 \times \frac{3}{5} = \frac{12}{5}$$

5. 19

# Solving Extended Division Facts

## Home Link 6-1

NAME \_\_\_\_\_

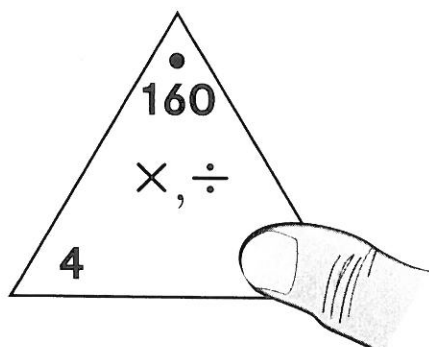
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Write a basic division fact and an extended division fact for each Fact Triangle.

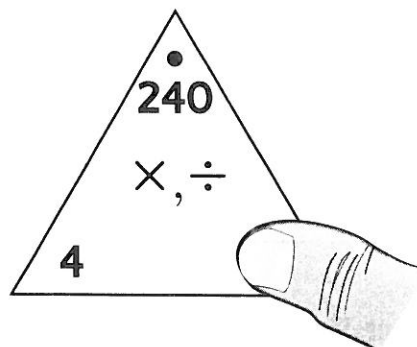
①



Basic fact:  $16 \div 4 =$  \_\_\_\_\_

Extended fact:  $160 \div 4 =$  \_\_\_\_\_

②



Basic fact: \_\_\_\_\_

Extended fact: \_\_\_\_\_

Solve.

③

a.  $25 \div 5 =$  \_\_\_\_\_

b.  $250 \div 5 =$  \_\_\_\_\_

c.  $2,500 \div 5 =$  \_\_\_\_\_

d.  $250 \div 50 =$  \_\_\_\_\_

④

a.  $36 \div 4 =$  \_\_\_\_\_

b.  $360 \div 4 =$  \_\_\_\_\_

c.  $3,600 \div 4 =$  \_\_\_\_\_

d.  $360 \div 40 =$  \_\_\_\_\_

⑤

a.  $18 \div 9 =$  \_\_\_\_\_

b.  $180 \div 9 =$  \_\_\_\_\_

c.  $1,800 \div 9 =$  \_\_\_\_\_

d.  $180 \div 90 =$  \_\_\_\_\_

⑥

a.  $42 \div 7 =$  \_\_\_\_\_

b.  $420 \div 7 =$  \_\_\_\_\_

c.  $4,200 \div 7 =$  \_\_\_\_\_

d.  $420 \div 70 =$  \_\_\_\_\_

## Practice

⑦

$456 \times 5 =$  \_\_\_\_\_

⑧

$720 \times 8 =$  \_\_\_\_\_

⑨

$905 \times 7 =$  \_\_\_\_\_

# Finding the Unknown Side Length

## Home Link 6-2

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_



Solve.

①  $s$   
 2 meters 60 square meters

How long is the unknown side  $s$ ?

Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ meters

②  $t$   
6 meters 420 square meters

What is the length of the unknown side  $t$ ?

Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ meters

- ③ Fill in the unknown information about some rectangular rooms in a museum.

Room	Length in Yards	Width in Yards	Area in Square Yards
A	6		18
B		8	56
C	9	5	
D		9	90

- ④ A store is rectangular in shape with an area of 2,700 square feet. It has a length of 90 feet. How wide is it?

Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ feet

## Practice

- ⑤  $420 \div 7 =$  \_\_\_\_\_      ⑥ \_\_\_\_\_  $= 3,600 \div 6$       ⑦  $5,400 \div 90 =$  \_\_\_\_\_

# Solving Division Number Stories

## Home Link 6-3

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_



Fill in the lists of multiples to help you, if needed.

- ① Rosario sells bicycle wheels in packages of 2. If a store orders 46 wheels, how many packages will she send?

20 [2s] = \_\_\_\_\_ Number model with unknown: \_\_\_\_\_

21 [2s] = \_\_\_\_\_ Answer: \_\_\_\_\_ packages

22 [2s] = \_\_\_\_\_ Number model with answer: \_\_\_\_\_

23 [2s] = \_\_\_\_\_

24 [2s] = \_\_\_\_\_

25 [2s] = \_\_\_\_\_

- ② Doug is placing apples in bags for a picnic. He can fit 6 apples in a bag. If he has 92 apples, how many bags will he need?

10 [6s] = \_\_\_\_\_ Number model with unknown: \_\_\_\_\_

11 [6s] = \_\_\_\_\_ Answer: \_\_\_\_\_ bags

12 [6s] = \_\_\_\_\_ Number model with answer: \_\_\_\_\_

13 [6s] = \_\_\_\_\_

14 [6s] = \_\_\_\_\_

15 [6s] = \_\_\_\_\_

16 [6s] = \_\_\_\_\_

17 [6s] = \_\_\_\_\_

18 [6s] = \_\_\_\_\_

## Practice

- ③  $82 \div 10 =$  \_\_\_\_\_      ④ \_\_\_\_\_  $= 25 \div 30$       ⑤  $333 \div 3 =$  \_\_\_\_\_

# Partial-Quotients Division

## Home Link 6-4

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

**Family Note** In this lesson students are introduced to the partial-quotients method, in which a number is divided in a series of steps. The quotients for each step (called partial quotients) are added to give the final answer. For example, to divide 96 by 6, students use extended multiplication facts such as  $6 * 10 = 60$  to find the partial quotient. Then with the remaining 36, they use an “easy” multiplication fact,  $6 * 6$ , to finish solving the problem. These two partial quotients are added together,  $10 + 6$ , to find the exact quotient of 16. So  $96 \div 6 = 16$ .

Estimate. Write a number model with an unknown to represent the problem. Then solve using partial quotients.



- ① Jordan has 3 Great Dane puppies. At 6 weeks old, their combined weight is 48 pounds. Assuming that they all weigh about the same amount, how much does each puppy weigh?

Estimate: \_\_\_\_\_

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ pound(s)

- ② Four sisters love barrettes. They have a value pack that contains 92 barrettes. How many barrettes can each sister have if they share equally?

Estimate: \_\_\_\_\_

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ barrette(s)

## Practice

Name two equivalent fractions for each fraction given.

③  $\frac{1}{2}$  \_\_\_\_\_

④  $\frac{1}{3}$  \_\_\_\_\_

⑤  $\frac{25}{100}$  \_\_\_\_\_

⑥  $\frac{6}{8}$  \_\_\_\_\_



# Assigning People to Buses

## Home Link 6-5

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

Mr. Atkins is organizing the 4th- and 5th-grade field trip to the science museum. He asked his students to help him figure out which students and teachers should go on each bus. The number of students in each class is shown in the table below:



Mr. Atkins's 4th-grade class	31 students
Ms. Smith's 4th-grade class	28 students
Mr. Bates's 5th-grade class	29 students
Mrs. Gonzales's 5th-grade class	27 students

Important information:

- 4 buses have been ordered.
- The maximum number of passengers is 30 per bus.
- Each bus must have 1 teacher.

Cary said he solved the problem this way:

*115 / 4 is 28 with a remainder of 3.*

- ① What do the numbers in his sentence mean?
- ② Which students and teachers should go on each bus? Explain why.

## Practice

③  $\frac{3}{8} + \frac{4}{8} = \underline{\hspace{2cm}}$       ④  $\frac{5}{6} + \frac{3}{6} = \underline{\hspace{2cm}}$       ⑤  $\frac{4}{5} - \frac{2}{5} = \underline{\hspace{2cm}}$       ⑥  $\frac{7}{10} - \frac{3}{10} = \underline{\hspace{2cm}}$

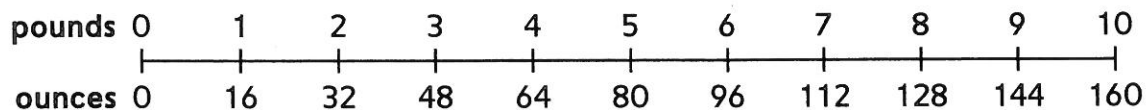
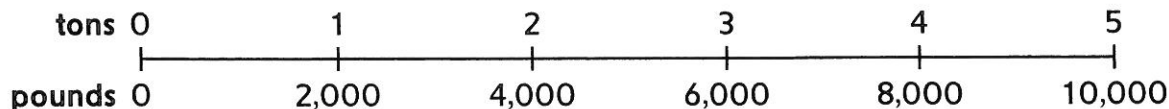
# Converting Units of Weight

## Home Link 6-6

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_



Use the measurement scales to help you solve the problems.

①

Tons	Pounds
1	2,000
6	
	14,000
8	
	22,000

②

Pounds	Ounces
1	16
5	
9	
	160
15	

- ③ The army chef is ordering food for the troops. She ordered 2 tons of rice, 1 ton of pasta, and 1 ton of flour. How many pounds of food did she order?

Answer: \_\_\_\_\_ pound(s)

- ④ Potatoes come in 8-pound bags. How many ounces do 12 bags weigh?

Answer: \_\_\_\_\_ ounce(s)

## Practice

⑤  $\frac{4}{8} + \frac{3}{8} =$  \_\_\_\_\_ ⑥ \_\_\_\_\_  $= \frac{5}{8} - \frac{3}{8}$  ⑦ \_\_\_\_\_  $= \frac{5}{10} + \frac{3}{100}$  ⑧  $\frac{60}{100} + \frac{4}{10} =$  \_\_\_\_\_

# Partial Quotients

## Home Link 6-7

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_



Estimate. Write a number model to represent the problem. Solve using partial quotients.

- ① The carnival committee has 360 small prizes to distribute to 5 booths. How many prizes will each booth get?

Estimate: \_\_\_\_\_

Number model with unknown:

\_\_\_\_\_

- ② The mall needs a row of parking spaces. The length of the parking area is 2,711 feet. If each parking space is 9 feet wide, how many spaces will there be?

Estimate: \_\_\_\_\_

Number model with unknown:

\_\_\_\_\_

Answer: \_\_\_\_\_ prizes

Answer: \_\_\_\_\_ spaces

How many prizes are left over? \_\_\_\_ prizes

How many feet are left over? \_\_\_\_ feet

Solve using partial quotients. Show your work on the back of this page.

- ③  $161 \div 7$  Estimate: \_\_\_\_\_

Answer: \_\_\_\_\_

- ④  $576 \div 4$  Estimate: \_\_\_\_\_

Answer: \_\_\_\_\_

## Practice

Put these decimals in order from least to greatest.

- ⑤ 0.98, 0.34, 9.8, 0.08 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

- ⑥ 0.11, 0.01, 0.10, 1.0 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Use  $<$ ,  $>$ , or  $=$  to compare the decimals.

- ⑦  $0.65$  \_\_\_\_\_  $0.5$

- ⑧  $37.9$  \_\_\_\_\_  $37.96$

# Interpreting Remainders

## Home Link 6-8

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

- ① Mrs. Patel brought a box of 124 strawberries to the party. She wants to divide the strawberries evenly among 8 people. How many strawberries will each person get?

- ② Mr. Chew has a box of 250 pens. He asks Maurice to divide the pens into groups of 8. How many groups can Maurice make?



Number model with unknown:

Answer: \_\_\_\_\_

\_\_\_\_\_ strawberries

Number model with answer:

What did you do about the remainder?  
Circle the answer.

- A. Ignored it
- B. Reported it as a fraction
- C. Rounded the answer up

Why? \_\_\_\_\_

Number model with unknown:

Answer: \_\_\_\_\_

\_\_\_\_\_ groups

Number model with answer:

What did you do about the remainder?  
Circle the answer.

- A. Ignored it
- B. Reported it as a fraction
- C. Rounded the answer up

Why? \_\_\_\_\_

## Practice

Order the fractions from smallest to largest.

③  $\frac{3}{6}, \frac{3}{3}, \frac{3}{5}, \frac{3}{8}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

④  $\frac{1}{4}, \frac{1}{8}, \frac{1}{2}, \frac{1}{5}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

⑤  $\frac{2}{3}, \frac{1}{2}, \frac{6}{8}, \frac{99}{100}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

⑥  $\frac{4}{5}, \frac{81}{100}, \frac{4}{6}, \frac{2}{10}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# Measuring Angles

## Home Link 6-9

NAME \_\_\_\_\_

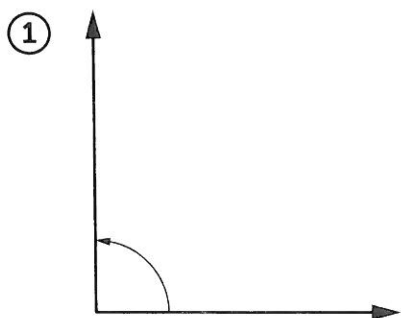
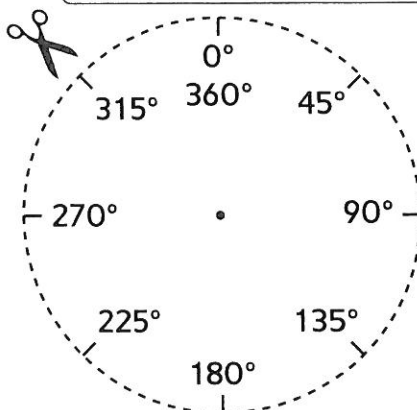
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TIME \_\_\_\_\_

Cut out the angle measurer and use a pencil to poke a hole through the center.

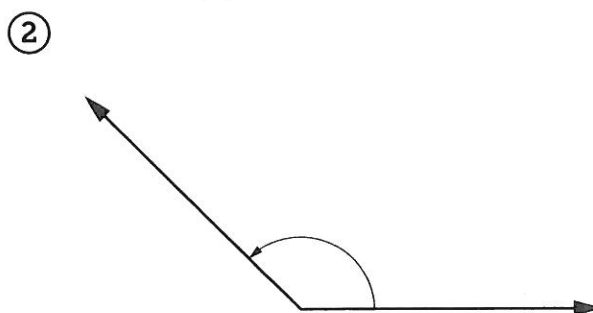
Label each angle *acute*, *right*, or *obtuse*.

Then use the angle measurer to measure each angle.



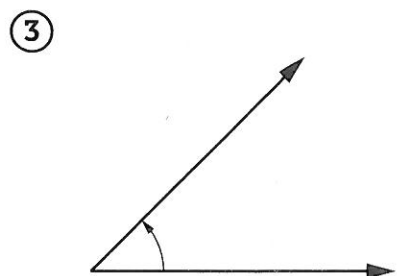
Type of angle: \_\_\_\_\_

Angle measure: \_\_\_\_\_



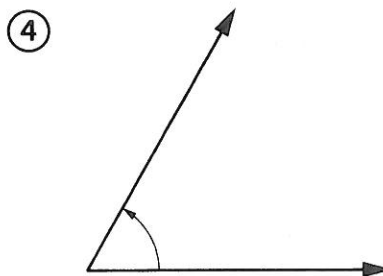
Type of angle: \_\_\_\_\_

Angle measure: \_\_\_\_\_



Type of angle: \_\_\_\_\_

Angle measure: \_\_\_\_\_



Type of angle: \_\_\_\_\_

Angle measure: \_\_\_\_\_

## Practice

Multiply.

⑤

$$\begin{array}{r} 173 \\ * 4 \\ \hline \end{array}$$

⑥

$$\begin{array}{r} 247 \\ * 6 \\ \hline \end{array}$$

⑦

$$\begin{array}{r} 34 \\ * 20 \\ \hline \end{array}$$

# Measuring Angles with a Protractor

## Home Link 6-10

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

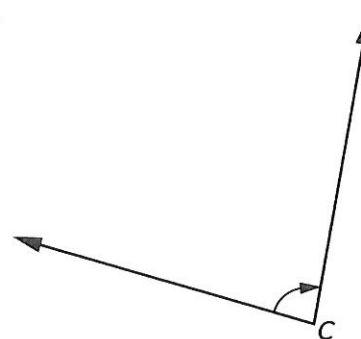
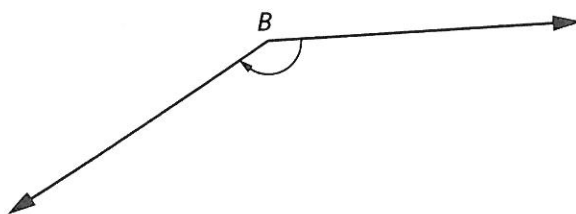
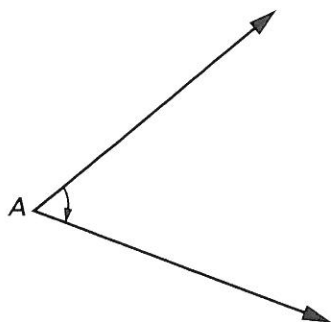
First estimate whether the angles measure more or less than  $90^\circ$ . Then use a half-circle protractor to measure them.



①  $\angle A$ : \_\_\_\_\_<sup>°</sup>

②  $\angle B$ : \_\_\_\_\_<sup>°</sup>

③  $\angle C$ : \_\_\_\_\_<sup>°</sup>



④  $\angle QRS$ : \_\_\_\_\_<sup>°</sup>

⑤  $\angle NOP$ : \_\_\_\_\_<sup>°</sup>

⑥  $\angle KLM$ : \_\_\_\_\_<sup>°</sup>

## Practice

$$\begin{array}{r} \textcircled{7} \quad 23,807 \\ + 42,004 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 53,0083 \\ + 28,3690 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 87,942 \\ - 23,851 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 60,0299 \\ - 51,0345 \\ \hline \end{array}$$

# Finding Angle Measures

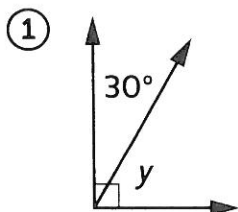
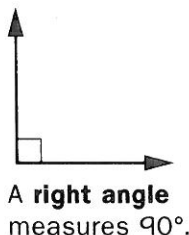
## Home Link 6-11

NAME \_\_\_\_\_

DATE \_\_\_\_\_

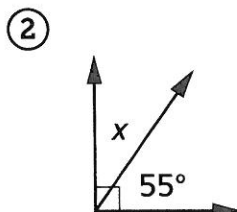
TIME \_\_\_\_\_

Find the unknown angle measures in Problems 1–6. Do *not* use a protractor.



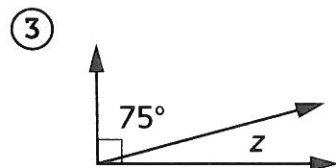
Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_



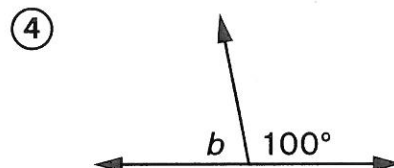
Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_



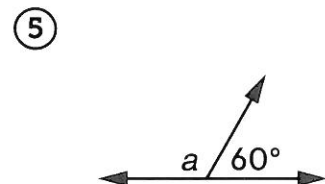
Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_



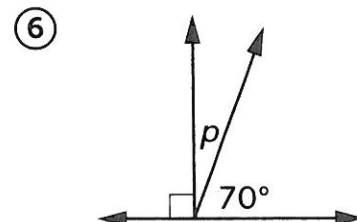
Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_



Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_



Equation with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_

## Practice

Order the fractions from smallest to largest.

⑦  $\frac{7}{10}, \frac{7}{8}, \frac{7}{12}, \frac{7}{9}$  \_\_\_\_\_

⑧  $\frac{5}{9}, \frac{99}{100}, \frac{1}{4}, \frac{9}{10}$  \_\_\_\_\_

# Solving Number Stories

## Home Link 6-12

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_



Write a number model with an unknown to represent each problem. Then solve.

- ① Martin had some leftover fruit from making fruit salad. He had  $\frac{3}{12}$  pound of strawberries and  $\frac{1}{12}$  pound of blueberries.

Which fruit weighed more? \_\_\_\_\_

- a. How many pounds of fruit did Martin have left?

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ pound

- b. How much more did the strawberries weigh than the blueberries?

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ pound

- ② Charlotte and Beth each made a vegetable salad to take to a reunion. Together the salads weighed 6 pounds. Charlotte's salad weighed  $3\frac{1}{2}$  pounds.

- a. How much did Beth's salad weigh?

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ pounds

- b. How much more did Charlotte's salad weigh than Beth's?

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ pound

- ③ Andy's potato salad weighed  $1\frac{3}{8}$  pounds more than Mardi's. Mardi's potato salad weighed  $4\frac{2}{8}$  pounds. How much did Andy's potato salad weigh?

Number model with unknown: \_\_\_\_\_

Answer: \_\_\_\_\_ pounds

## Practice

④  $826 * 5 =$  \_\_\_\_\_

⑤  $48 * 50 =$  \_\_\_\_\_



# Multiplying a Fraction by a Whole Number

Home Link 6-13

NAME \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_



Solve. Use drawings, words, and equations to represent the problems.

- ① 5 vans were needed for a camp field trip. There were 9 children per van.

How many children went on the field trip? \_\_\_\_\_ children

Drawing: \_\_\_\_\_

Words: \_\_\_\_\_ groups of \_\_\_\_\_

Addition equation: \_\_\_\_\_

Multiplication equation: \_\_\_\_\_

- ② Penny and her 2 friends each ate  $\frac{1}{6}$  of a cake. How much cake did they eat?

\_\_\_\_\_ of a cake

Drawing: \_\_\_\_\_

Words: \_\_\_\_\_ groups of \_\_\_\_\_

Addition equation: \_\_\_\_\_

Multiplication equation: \_\_\_\_\_

- ③ Christopher wants to give his 4 friends  $\frac{3}{5}$  of a veggie pizza each.

How much veggie pizza will he need? \_\_\_\_\_ veggie pizzas

Drawing: \_\_\_\_\_

Words: \_\_\_\_\_ groups of \_\_\_\_\_

Addition equation: \_\_\_\_\_

Multiplication equation: \_\_\_\_\_

## Practice

④  $84 \div 6 =$  \_\_\_\_\_

⑤  $76 \div 4 =$  \_\_\_\_\_

⑥ \_\_\_\_\_  $= 90 \div 5$