

Partial Quotients

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

How many prizes are left over? _____ prizes

Answer: _____ spaces

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



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

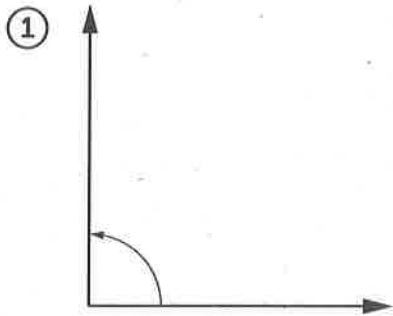
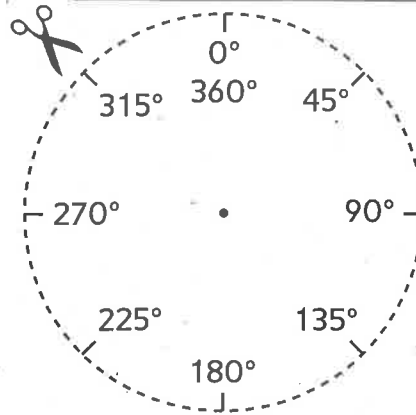
NAME _____ DATE _____ TIME _____



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

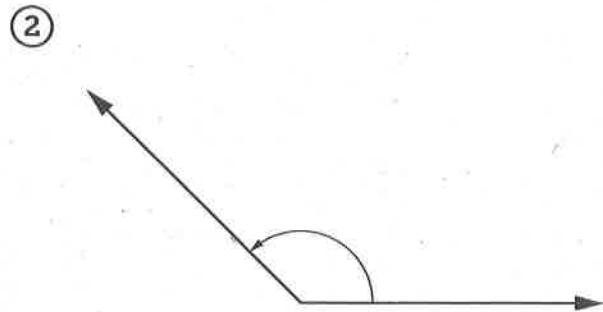
Label each angle *acute*, *right*, or *obtuse*.

Then use the angle measurer to measure each angle.



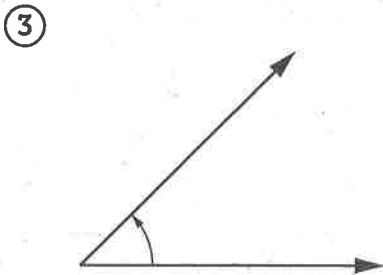
Type of angle: _____

Angle measure: _____



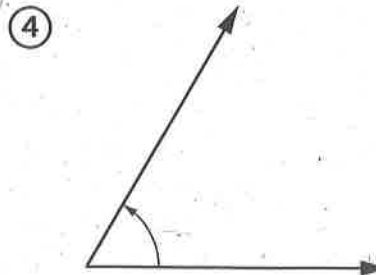
Type of angle: _____

Angle measure: _____



Type of angle: _____

Angle measure: _____



Type of angle: _____

Angle measure: _____

Practice

Multiply.

⑤

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

⑥

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

⑦

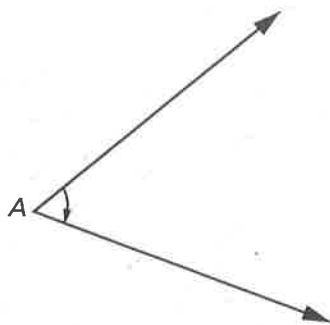
$$\begin{array}{r} 34 \\ * \quad 20 \\ \hline \end{array}$$

Measuring Angles with a Protractor

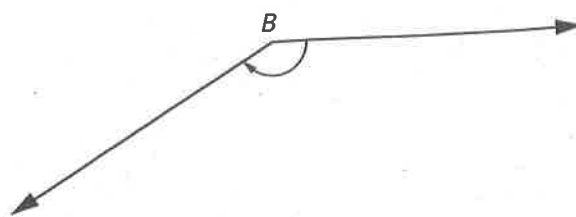


First estimate whether the angles measure more or less than 90° . Then use a half-circle protractor to measure them.

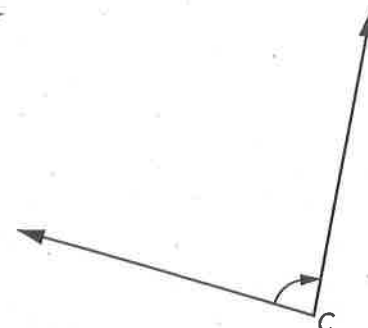
① $\angle A$: _____



② $\angle B$: _____



③ $\angle C$: _____



④ $\angle QRS$: _____

⑤ $\angle NOP$: _____

⑥ $\angle KLM$: _____

Practice

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

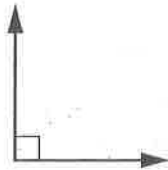
$$\begin{array}{r} \textcircled{8} \quad 53,0083 \\ + \quad 28,3690 \\ \hline \end{array}$$

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

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

Finding Angle Measures

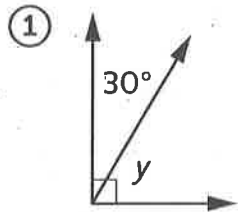
Find the unknown angle measures in Problems 1–6. Do *not* use a protractor.



A **right angle** measures 90° .

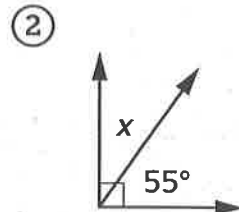


A **straight angle** measures 180° .



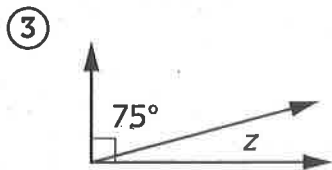
Equation with unknown: _____

Answer: _____



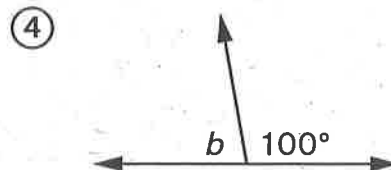
Equation with unknown: _____

Answer: _____



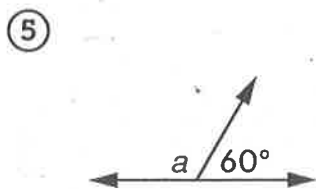
Equation with unknown: _____

Answer: _____



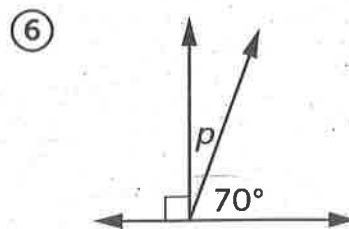
Equation with unknown: _____

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

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 _____ $= 90 \div 5$