

NAME \_\_\_\_\_

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## Calendar Problems

Use the calendars below to help solve the problems.

February						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

March						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

**1** Today is February 15. Hannah's birthday is on April 6. She told her teacher that her birthday is in about 5 weeks. Is that a good estimate? Explain your answer.

**2** It takes 3 weeks for a video game to be mailed to Carlos. If he wants to get the video game in time for his brother's birthday on March 26, what is the last day he could order the video game and still get it in time?

**3** Ling got a new puppy 26 days ago. Today is April 17. When did Ling get her puppy?

**4** Bob says that he mailed a letter to his grandma about two weeks ago. Today is March 11. Fill in the bubble to show the date when Bob could have mailed the letter.

March 24

February 18

February 26

March 4



### CHALLENGE

**5** There are 31 days in the month of May. How many Sundays will there be in the May that comes after April shown above?

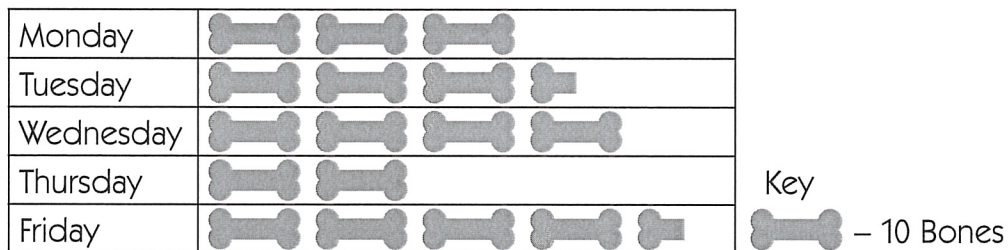
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# Dog Bone Graph

A pictograph uses pictures or symbols to show numbers of things. A pet store owner used a pictograph to keep track of how many dog bones she sold each day. Use the pictograph to answer the questions below.

Number of Dog Bones Sold Each Day



- How many bones does each bone picture stand for?
- How many bones does each half-bone picture stand for?
- On which day were the most bones sold?
- How many bones were sold on Tuesday?
- How many bones were sold altogether this week, from Monday to Friday?  
Show all your work.



## CHALLENGE

- The pet store owner sold half as many dog bones last week as she did this week. How many bones were sold last week? (The pictograph shows the bones sold this week.) Show your work.

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## Division & Elapsed Time

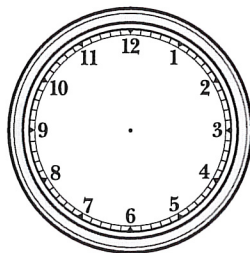
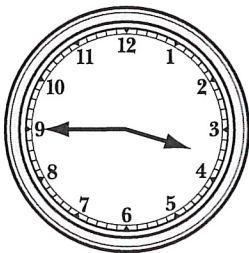
1 Complete the following division facts.

$32 \div 8 = \underline{\quad}$        $21 \div 3 = \underline{\quad}$        $18 \div 2 = \underline{\quad}$        $16 \div 4 = \underline{\quad}$

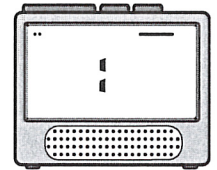
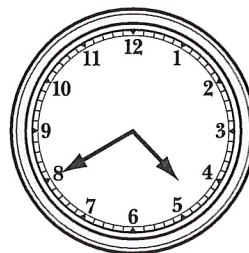
$63 \div 7 = \underline{\quad}$        $40 \div 5 = \underline{\quad}$        $81 \div 9 = \underline{\quad}$        $24 \div 6 = \underline{\quad}$

$42 \div 6 = \underline{\quad}$        $48 \div 8 = \underline{\quad}$        $64 \div 8 = \underline{\quad}$        $36 \div 4 = \underline{\quad}$

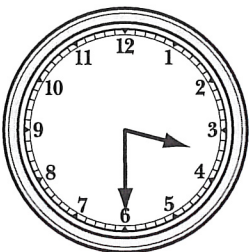
2 Show what time it will be an hour and a half from the time shown on the clock below.



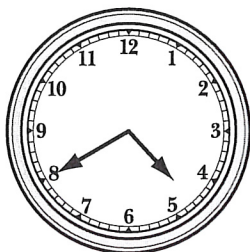
3 On the digital clock, show what time it was twenty-five minutes before the time shown on the clock below.



4 The clocks below show when Darren started and stopped practicing his violin yesterday. How long did he spend practicing his violin yesterday?



started



stopped

5 The clocks below show when the fourth graders' music class starts and ends. How long is their music class?



starts



ends

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## Estimating to Decide if Your Answer Is Reasonable

Making an estimate before solving a problem can help you decide if your answer is reasonable. Make an estimate, solve the problem, and then use your estimate to help decide if your answer makes sense.

**1** The school got new dictionaries for the third, fourth, and fifth graders this year. They got 23 boxes, and there were 12 dictionaries in each box. How many dictionaries did they get altogether?

**a** Use rounding or another strategy to decide which estimate below is best. Circle the best estimate.

less than 200  
dictionaries

about 2,000  
dictionaries

more than 200  
but less than 400  
dictionaries

**b** Solve the problem. Show all your work.

**c** Is your answer reasonable? How can you tell?

**2** Solve these multiplication problems.

$$\begin{array}{r} 2,000 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 4,000 \\ \times 4,000 \\ \hline \end{array}$$

$$\begin{array}{r} 20,000 \\ \times 21 \\ \hline \end{array}$$

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# Multi-Digit Multiplication Practice

1 Solve these multiplication problems.

$$\begin{array}{r} 70 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 40 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ \times 40 \\ \hline \end{array}$$

2 Solve these multiplication problems using the standard algorithm. Use the answers above to make sure your answers are reasonable.

<p><b>example</b></p> $\begin{array}{r} 21 \\ \cancel{52} \\ 184 \\ \times 36 \\ \hline 1,104 \\ + 5,520 \\ \hline 6,624 \end{array}$	<p><b>a</b></p> $\begin{array}{r} 73 \\ \times 52 \\ \hline \end{array}$
<p><b>b</b></p> $\begin{array}{r} 68 \\ \times 48 \\ \hline \end{array}$	<p><b>c</b></p> $\begin{array}{r} 67 \\ \times 36 \\ \hline \end{array}$
<p><b>d</b></p> $\begin{array}{r} 703 \\ \times 28 \\ \hline \end{array}$	<p><b>e</b></p> $\begin{array}{r} 689 \\ \times 40 \\ \hline \end{array}$

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## Darryl's Present

Making an estimate before solving a problem can help you decide if your answer is reasonable. Make an estimate, solve the problem, and then use your estimate to help decide if your answer makes sense.

Darryl makes \$12 an hour. He wants to earn \$180 to buy a really nice present for his mom. He worked 3 hours last week and 5 hours this week. How many hours will he have to work next week in order to earn enough money to buy the present?

**1** Use rounding or another strategy to make a reasonable estimate before you solve the problem.

**a** I know the answer will be greater than \_\_\_\_\_ .

**b** I know the answer will be less than \_\_\_\_\_ .

**2** Solve the problem. Show all your work.

**3** Is your answer reasonable? How can you tell?



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## Enough Information to Solve the Problem?

Read each story problem. Write *yes* or *no* to show whether there is enough information to solve the problem. If some information is missing, write what you would need to know to solve the problem.

Problem	Is there enough information to solve the problem?	If there is not enough information, what information is missing?
<p><b>1</b> Cody wants to buy a new pair of shoes that cost \$65. His neighbors pay him to mow their lawns. If he earns \$10 for each lawn, will he have enough money to buy the shoes this week?</p>		
<p><b>2</b> Jenna went to the store with a \$10 bill. She bought 3 apples that each cost 65¢ and a carton of milk that cost \$1.85. How much change will she get back?</p>		
<p><b>3</b> There are 6 clusters of desks and 22 students in Mr. Fletcher's classroom. How many empty seats are there in his classroom?</p>		
<p><b>4</b> Kiyoshi is making bags of art supplies to give away as prizes on Back to School Night. If he puts 3 erasers in each bag, how many bags can he fill?</p>		
<p><b>5</b> Salvador is making batches of cookies. He baked 6 batches of 8 cookies and a final batch of 4 cookies. How many cookies did he bake altogether?</p>		

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## Choosing a Strategy

Before you start working on a problem, it can help to decide what strategy you will use to solve it. Choose a strategy that will help you solve this problem. Explain your choice. Then solve the problem and double-check your answer.

**1** A rectangle has a perimeter of 24 centimeters. It is 2 centimeters longer than it is wide. What is the width of the rectangle? What is the length of the rectangle?

**a** Fill in the bubble to show which strategy you will use to solve this problem.

make an organized list

draw a picture

look for a pattern

use logical reasoning

**b** Explain why you chose this strategy.

**c** Solve the problem. Show all your work.

**d** Double-check your answer.



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## Find the Missing Information

Each problem below is missing some information that you need to solve it. For each problem, select the information you need to solve it. Then solve the problem.

**1** Miguel is getting groceries. He got a loaf of bread, a carton of milk for \$2.50, and 3 apples that cost 60¢ each. If he pays with a \$10 bill, how much change will he get back?

**a** Fill in the bubble beside the information you need to solve the problem.

- The loaf of bread had 20 slices.       The bread cost \$2.       Miguel is 11 years old.

**b** Solve the problem. Show all your work.

**2** Lisa wants to put carpet squares on the floor in her bedroom. Each carpet square covers 1 square foot, and they cost \$5 for a package of 4 squares. How much will it cost Lisa to buy enough carpet squares to cover her bedroom floor?

**a** Fill in the bubble beside the information you need to solve the problem.

- Lisa has \$200 to spend.       Lisa's room is 9 ft. by 11 ft.       The squares come in cases of 20 packages.

**b** Solve the problem. Show all your work.

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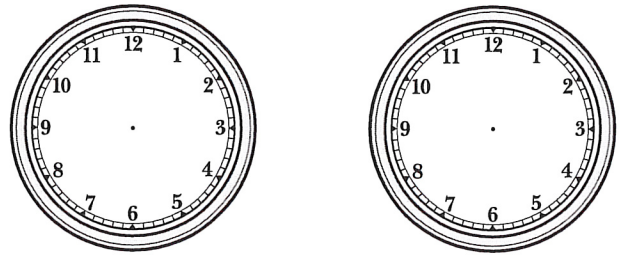
# Family Math Night

Making an estimate before solving a problem can help you decide if your answer is reasonable. Make an estimate, solve the problem, and then use your estimate to help decide if your answer makes sense.

**1** Ms. Suarez and her students are hosting a math night for the students' families. They estimate that it will take them 20 minutes to set up, an hour and a half to do the activities, and 45 minutes to clean up. If they start setting up at 3:30 p.m., what time will they be done cleaning up?

**a** Use rounding or another strategy to make a reasonable estimate before you solve the problem.

**b** Solve the problem. Show all your work. You can use the blank clocks if you want to.



**c** Is your answer reasonable? How can you tell?