

Problem Solving: Missing or Extra Information

Circle **Extra Information** or **Missing Information**.

Then write a number sentence if the problem can be solved.

1. Julia painted 12 pictures and made 3 clay baskets at school. Julia took 5 pictures home. How many pictures are left at school?

Extra Information

Missing Information

$$\underline{12} - \underline{5} = \underline{7} \text{ pictures}$$

2. Nico cut out 15 red circles and 10 yellow circles. Then he gave away some red circles. How many red circles does Nico have left?

Extra Information

Missing Information

$$\underline{\quad} - \underline{\quad} = \underline{\quad} \text{ red circles}$$

Spatial Thinking Draw a picture to solve each problem. Then choose the correct answer.

3. A bush had 18 berries. A raccoon ate 9 of the berries. Then the raccoon ate 6 fish. How many berries are left?

11 berries

9 berries

10 berries

8 berries

4. A bowl holds 16 oranges and 4 apples. Children eat 9 oranges. How many oranges are left in the bowl?

7 oranges

9 oranges

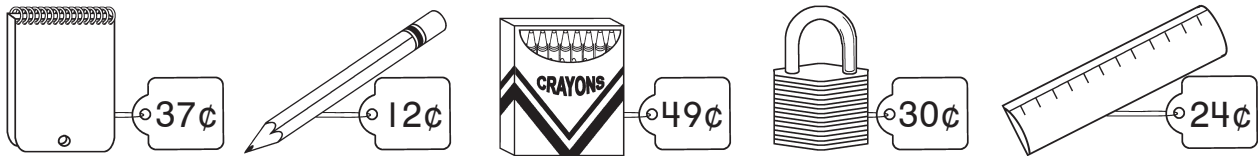
8 oranges

10 oranges

Name _____

Estimating Sums

Estimate. Circle **yes** or **no** to answer the question.



1. Can you buy  and  with 50¢?

yes

no

2. Can you buy  and  with 70¢?

yes

no

3. Can you buy  and  with 50¢?

yes

no

4. Can you buy  and  with 80¢?

yes

no

5. Reanna wants to buy the ruler and the lock.

How much money does she need?

30¢

50¢

40¢

60¢

6. **Reasoning** Sam has 45¢. He has exactly enough money to buy the lock for 30¢ and an apple. How much does the apple cost?

10¢

15¢

20¢

25¢

Estimating Differences

Estimate. Circle **is more than** or **is less than** to complete each sentence.

1. _____ is more than
 $71 - 33$ _____ 40.
is less than

2. _____ is more than
 $70 - 42$ _____ 30.
is less than

3. _____ is more than
 $56 - 24$ _____ 30.
is less than

4. _____ is more than
 $85 - 17$ _____ 70.
is less than

5. _____ is more than
 $64 - 23$ _____ 40.
is less than

6. _____ is more than
 $48 - 26$ _____ 20.
is less than

7. A stand had 93 straws. It sold 45 cans of juice.
Each can had one straw. How many straws were left?

- less than 20 straws less than 40 straws
 less than 30 straws less than 50 straws

8. **Estimate** There were 40 people at the movie. 18 people left.
About how many people are still at the movie?

- about 10 people about 30 people
 about 20 people about 40 people

Problem Solving: Two-Question Problems

Solve. Use the answer from the first question to answer the second question.

1. Barb has 12 pink bows and 13 green bows. How many bows does she have in all?

25 bows

Barb gives 9 bows to her sister. How many bows does she have left?

16 bows

2. Amanda has 11 eggs in a carton. She has 16 eggs in a bowl. How many eggs does she have in all?

_____ eggs

Amanda cooks 12 eggs for her family's breakfast. How many eggs does she have now?

_____ eggs

3. Marcos had 20 quarters. He spent 7 quarters. Then he spent 5 quarters.

How many quarters does Marcos have now?

- 8 quarters 13 quarters
 12 quarters 32 quarters

4. **Estimation** 21 people were at the lake. Then 42 more people joined them.

At 5:00, 30 people left. About how many people are still at the lake?

- about 50 people about 30 people
 about 40 people about 20 people

Centimeters

Estimate the length of each object.
Then use a ruler to measure.

1.



Estimate: about _____ cm

Measure: about 5 cm

2.



Estimate: about _____ cm

Measure: about _____ cm

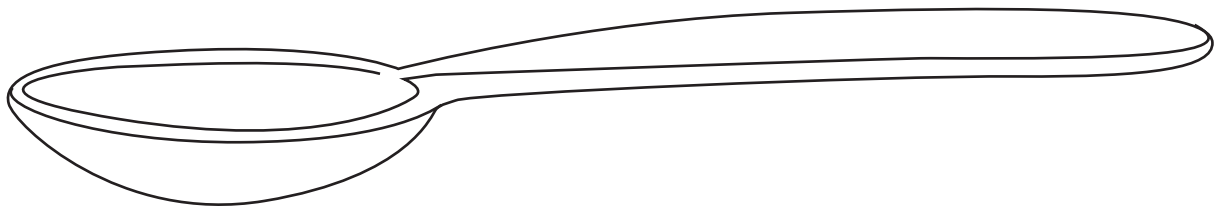
3.



Estimate: about _____ cm

Measure: about _____ cm

4. Look at the spoon. Measure the length of the spoon in centimeters. About how long is the spoon?



about 10 centimeters

about 16 centimeters

about 13 centimeters

about 18 centimeters

5. **Spatial Thinking** Choose the object that is about 1 centimeter long.



Estimating Measurements

To **estimate** means to make a good guess.

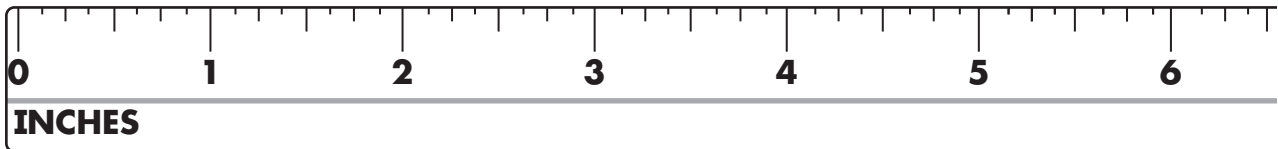
Estimate the length of the ribbon.

To estimate, think of something you have measured. You know a paper clip is about 1 inch long. Is the object you are measuring longer or shorter?



About _____ inches.

To check your estimate, measure to the nearest inch.

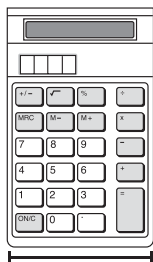


The ribbon is about 5 inches long.

Did your estimate make sense?

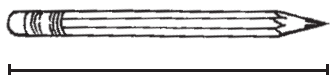
Estimate. Check your estimate by measuring to the nearest inch.

2. Width of a calculator



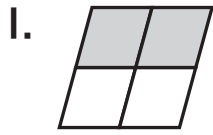
Estimate	Measure
about _____ inches	about _____ inches
about _____ inches	about _____ inches

3. Length of a pencil

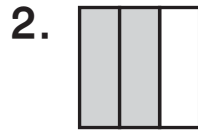


Non-Unit Fractions and Regions

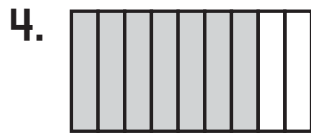
Write the fraction for the shaded part of the shape.



$\frac{2}{4}$











7. Jill has a rug with 8 parts. Four parts are white, and four parts are black. Which shows the rug?



8. **Geometry** Write the fraction for the shaded part of the rectangle.

What shape does the shaded part make?



The shaded part is a _____.

Name _____

Telling Time to the Quarter Hour

Look for a pattern. Write the time for each clock.
Draw the missing hands.

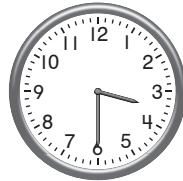
1.

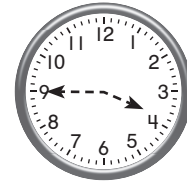


3:00



3:15



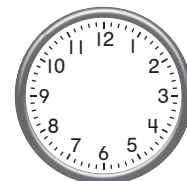


2.





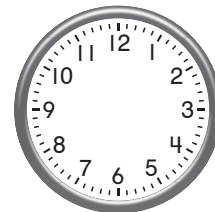




3. Draw the hands on the clock to solve.

Travis has to catch the bus in 15 minutes.

It is 12:30. What time will the bus come?



4. Algebra Look for a pattern. Which clock comes next?






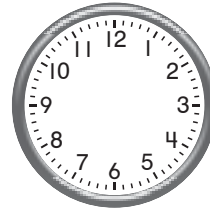


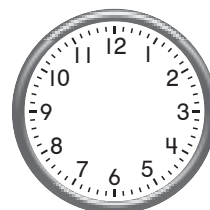


?



Elapsed Time

Draw the clock hands and write the end time for each activity.
Use a clock if you need to.

	Starts	Lasts	Ends
<p>1.</p>  <p>reading class</p>		<p>1 hour</p>	 <p>9:00</p>
<p>2.</p>  <p>play soccer</p>		<p>2 hours</p>	 <p>_____</p>
<p>3.</p>  <p>field trip</p>		<p>3 hours</p>	 <p>_____</p>

4. Paula starts her homework at the time shown on the clock. She works for 30 minutes. What time does she finish her homework?



4:00

4:30

5:00

5:30

5. **Reasonableness** The school fair started at 7:00. It was over at 9:00. Chen said that the school fair lasted 3 hours. Is he correct? Explain.

Using a Calendar

Use the calendar to answer the questions.

January							February							March							April						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1			1	2	3	4	5			1	2	3	4	5						1	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28						27	28	29	30	31			24	25	26	27	28	29	30
30	31																										

May							June							July							August						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4						1	2		1	2	3	4	5	6
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30	28	29	30	31			
														31													

September							October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3						1			1	2	3	4	5					1	2	3	
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31
							30	31																			

Spatial Thinking

1. What month comes just before May? April

2. What month comes just after August? _____

3. What day of the week is December 3? _____

4. Sara's birthday is in a month that has 5 Thursdays.
Her birthday is on a Thursday, and is the 23rd of the month.
What month is her birthday on this calendar?

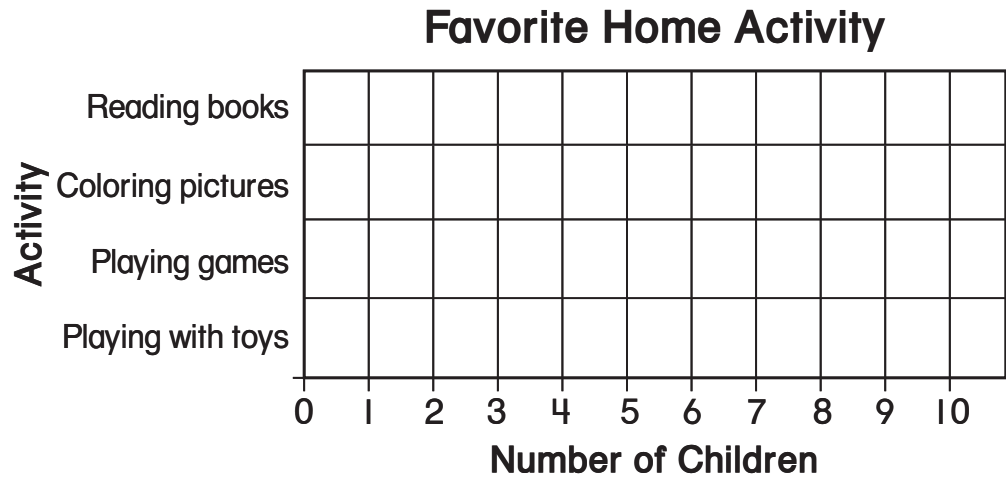
- June
- August
- September
- December

Organizing Data

Use the table to make the bar graph.

Then use the bar graph to solve the problems.

Home Activity	
Reading books	9
Coloring pictures	8
Playing games	10
Playing with toys	4



1. Did more children choose reading books or coloring pictures?

2. Which activity is the favorite of the greatest number of children?

3. Which activity is the favorite of the fewest number of children?

4. **Estimation** About how many children were asked to vote for their favorite home activity?

about 10 children about 30 children

about 20 children about 40 children

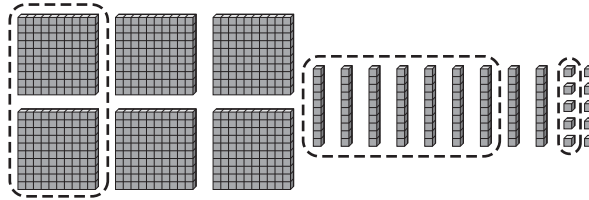
Name _____

Reading and Writing Numbers to 1,000

Circle the models to match the expanded form.
Then write the standard form.

1. $200 + 70 + 5$

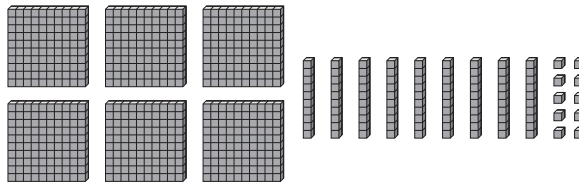
two hundred
seventy-five



275

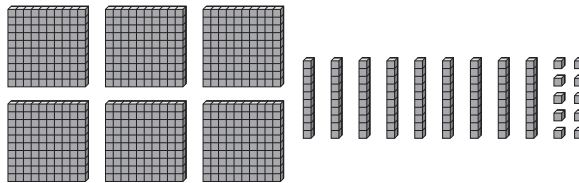
2. $100 + 40 + 0$

one hundred
forty



3. $300 + 60 + 2$

three hundred
sixty-two



4. 329 cars are parked in a parking lot.

What is the expanded form of 329?

$200 + 90 + 3$

$300 + 20 + 9$

$200 + 20 + 9$

$300 + 90 + 2$

5. **Reasoning** What is the greatest number you can make using these digits?

5 7 2

257

572

725

752

One Dollar

How much money?


Start counting with the dollar bill.

Then count the coins from the greatest to least value.

Write numbers to show the counting order.

			
3	2	1	4

Count on to find the total amount.

				
	+25	+10	+1	
\$1.00	\$1.25	\$1.35	\$1.36	\$1.36
				Total Amount

How much money? Count on to find the total amount.

1.

				Total Amount
\$1.00	\$2.00			

2.

				Total Amount

Name _____

Adding Three-Digit Numbers

Add. Use models if needed.

1.
$$\begin{array}{r} 472 \\ + 347 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 609 \\ + 166 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 267 \\ + 228 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 473 \\ + 338 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 314 \\ + 599 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 186 \\ + 357 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 487 \\ + 512 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 225 \\ + 135 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 235 \\ + 146 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 465 \\ + 264 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 308 \\ + 238 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 356 \\ + 29 \\ \hline \end{array}$$

13. One summer, an airplane made 326 trips.

The next summer, the airplane made 392 trips.

How many trips did the airplane make during both summers?

192

618

718

798

14. **Reasoning** Caitlin's paper shows how she added 345 and 271.

What mistake did she make?

3	4	5	
+	2	7	1
<hr/>			
5	1	6	

Name _____

Subtracting Three-Digit Numbers

Subtract. Use models if needed.

1.
$$\begin{array}{r} 426 \\ - 271 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 659 \\ - 372 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 953 \\ - 209 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 390 \\ - 126 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 622 \\ - 189 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 486 \\ - 357 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 917 \\ - 582 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 625 \\ - 135 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 589 \\ - 193 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 707 \\ - 264 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 611 \\ - 196 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 356 \\ - 29 \\ \hline \end{array}$$

13. There were 926 wild horses in a valley. Then 456 horses ran away. How many horses are left in the valley?

530

582

470

469

14. **Number Sense** Use these numbers only once to finish the two subtraction problems. Then subtract.

2 5 7 1 4 6

Make the greatest difference.

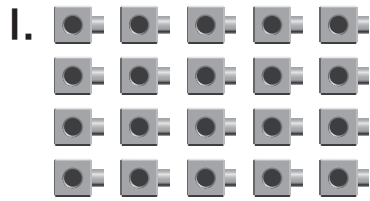
Make the least difference.

$$\begin{array}{r} 950 \\ - \boxed{} \boxed{} \boxed{} \\ \hline \boxed{} \boxed{} \boxed{} \end{array}$$

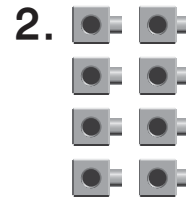
$$\begin{array}{r} 950 \\ - \boxed{} \boxed{} \boxed{} \\ \hline \boxed{} \boxed{} \boxed{} \end{array}$$

2 and 5 as Factors

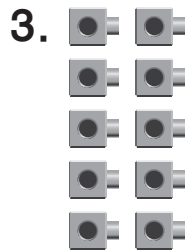
Use the array to write a multiplication sentence.



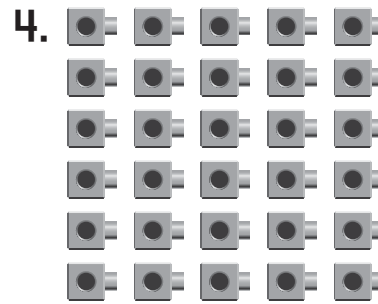
$$\underline{4} \times \underline{5} = \underline{20}$$



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

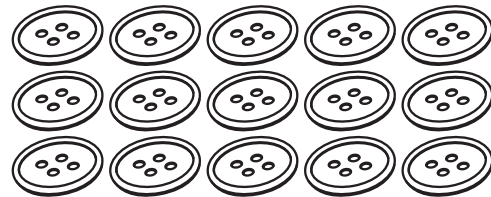


$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

5. Danielle made this array of buttons. Which shows how many buttons she has in all?



13



14



15



16



6. **Journal** Draw a picture.

Then write a multiplication sentence.

Ramona has 7 dolls.

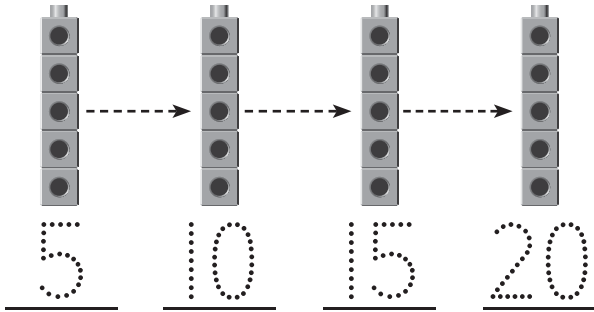
Each doll has 2 bows.

How many bows are there in all?

$$\underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ bows}$$

Practicing with 2s, 5s, and 10sYou can solve $4 \times 5 = ?$ in different ways.

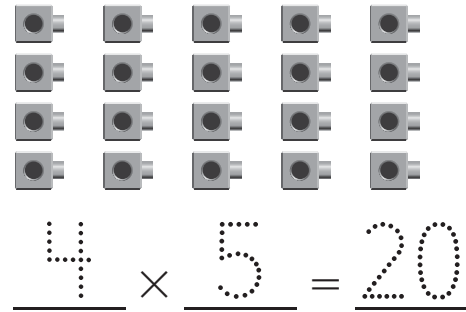
Skip count by 5s.



Use repeated addition.

$$\underline{5} + \underline{5} + \underline{5} + \underline{5} = \underline{20}$$

Make an array.



Remember the
multiplication fact:
 $4 \times 5 = 20$

Multiply. Choose a way to solve.

1. $5 \times 2 = \underline{\quad}$

2. $3 \times 10 = \underline{\quad}$

3. $6 \times 2 = \underline{\quad}$

4. $4 \times 10 = \underline{\quad}$

5. $7 \times 2 = \underline{\quad}$

6. $5 \times 10 = \underline{\quad}$

7. $2 \times 10 = \underline{\quad}$

8. $6 \times 10 = \underline{\quad}$

9. **Number Sense** Tell how you know that the multiplication fact $4 \times 5 = 20$ is correct.
