

THIRD GRADE  
MATH WITH  
CONFIDENCE

PART  
A

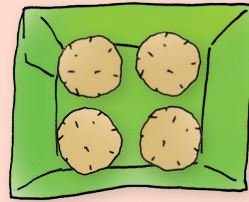
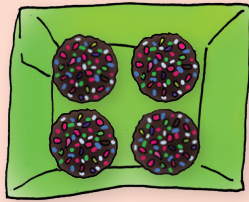
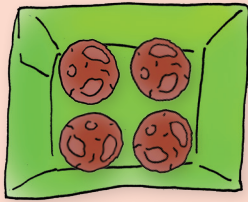


STUDENT WORKBOOK PART A

KATE SNOW

Lesson Activities 

A



Repeated Addition

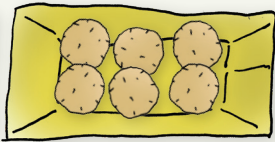
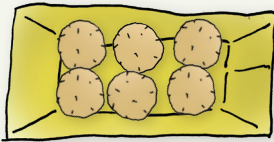
3 groups of 4

$$4 + 4 + 4 = \square$$

Multiplication

3 groups of 4

$$3 \times 4 = \square$$



2 groups of 6

$$\square + \square = \square$$

$$\square \times \square = \square$$



5 groups of 3

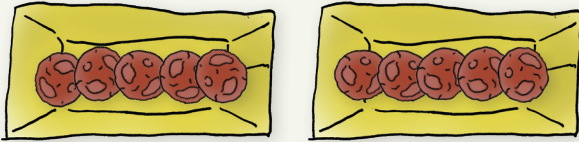
$$\square + \square + \square + \square + \square = \square$$

$$\square \times \square = \square$$

B

Cookie Order	Multiplication Equation
3 boxes of 6	
4 boxes of 4	
1 box of 8	
2 boxes of 7	
5 boxes of 2	

# Practice Complete.



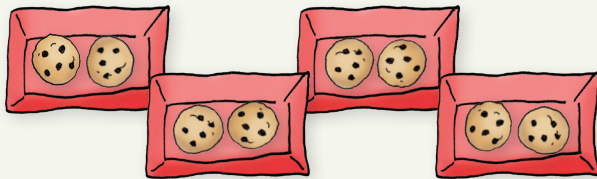
2 groups of 5

$$2 \times 5 = \square$$



3 groups of 3

$$3 \times 3 = \square$$



4 groups of 2

$$\square 4 \times \square 2 = \square$$



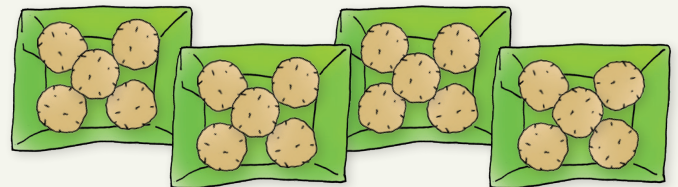
4 groups of 4

$$\square \times \square = \square$$



5 groups of 4

$$\square \times \square = \square$$



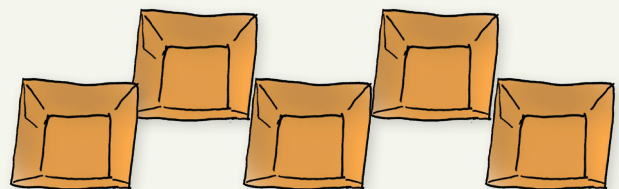
4 groups of 5

$$\square \times \square = \square$$



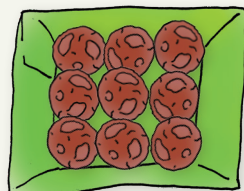
5 groups of 1

$$\square \times \square = \square$$



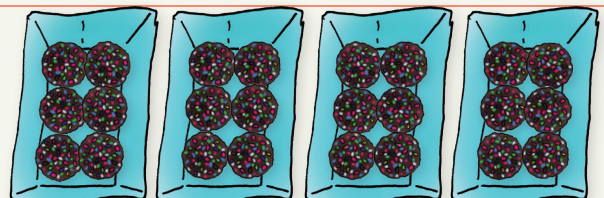
5 groups of 0

$$\square \times \square = \square$$



1 group of 9

$$\square \times \square = \square$$



4 groups of 6

$$\square \times \square = \square$$

Review



Complete.

\$

\$

Complete.

Write the value of the base-ten blocks.

	Double
10	20
11	
40	
42	
45	
50	

hundreds	tens	ones
	<input type="text"/>	

hundreds	tens	ones
	<input type="text"/>	

Complete.

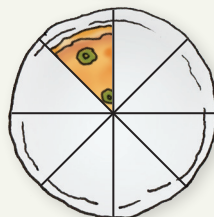
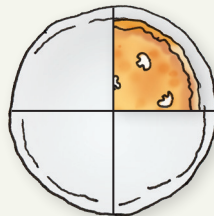
Match.

$$\begin{array}{r} 37 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 47 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 94 \\ \hline \end{array}$$



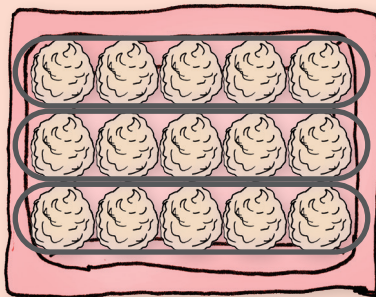
$$\frac{1}{8}$$

$$\frac{1}{3}$$

$$\frac{1}{4}$$

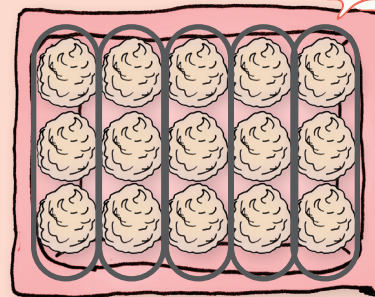
Lesson Activities 

A



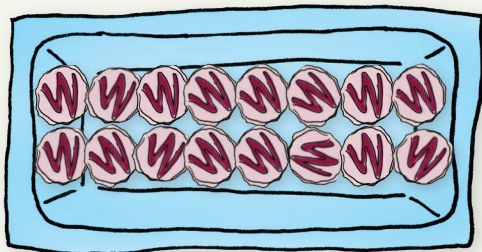
3 groups of 5

$$\square \times \square = \square$$

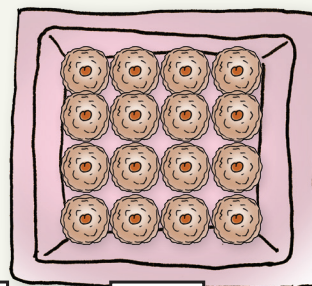


5 groups of 3

$$\square \times \square = \square$$



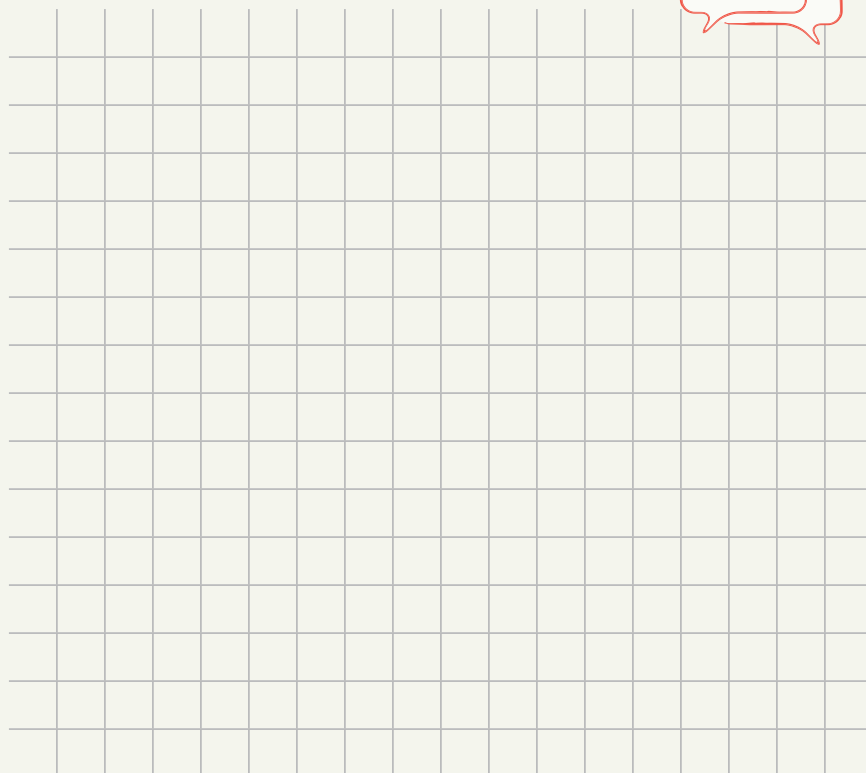
$$\square \times \square = \square$$



$$\square \times \square = \square$$

B

Order (Rows x Columns)	Total Squares
$3 \times 3$	
$7 \times 2$	
$1 \times 6$	
$5 \times 5$	
$3 \times 8$	



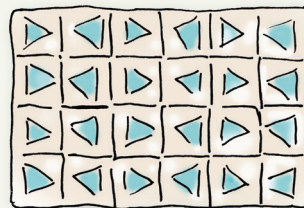
## Practice



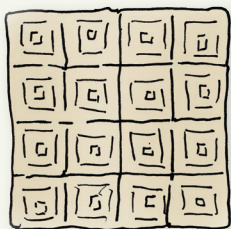
Write an equation to match each array.



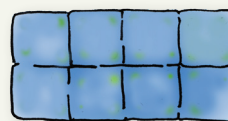
$$\square \times \square = \square$$



$$\square \times \square = \square$$

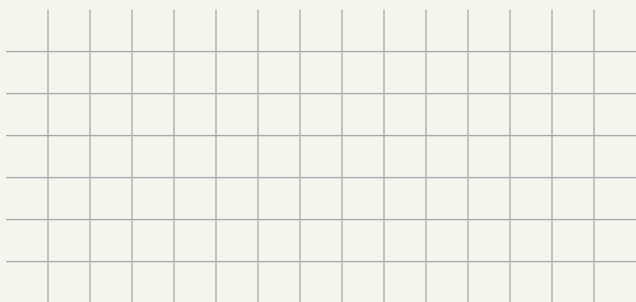


$$\square \times \square = \square$$

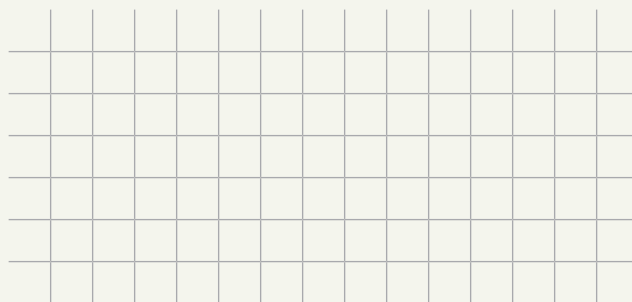


$$\square \times \square = \square$$

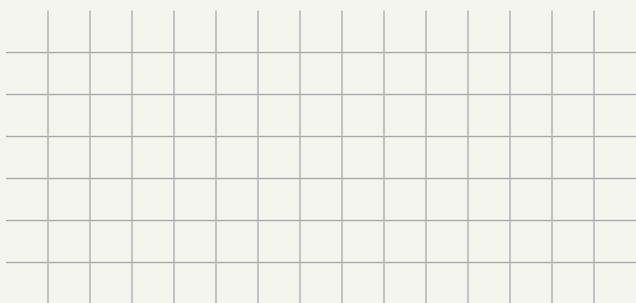
Draw an array to match each equation. Then, complete the equation.



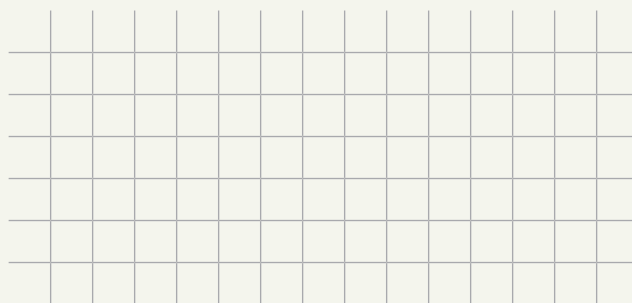
$$2 \times 6 = \square$$



$$4 \times 5 = \square$$



$$5 \times 6 = \square$$

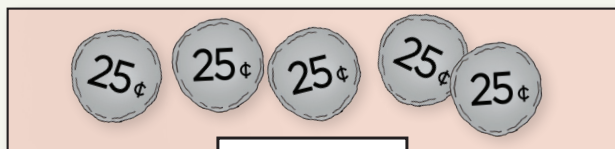
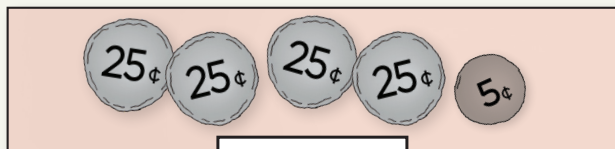
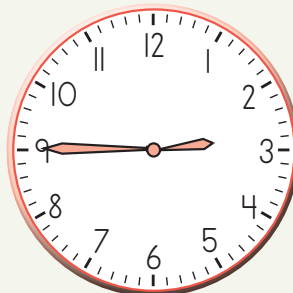


$$3 \times 7 = \square$$

Review

Complete.

Write the time.

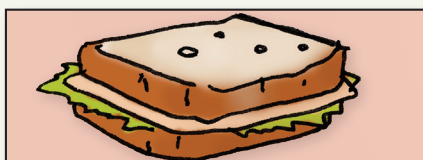

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Write a.m. or p.m. for each time.



Breakfast 7:30



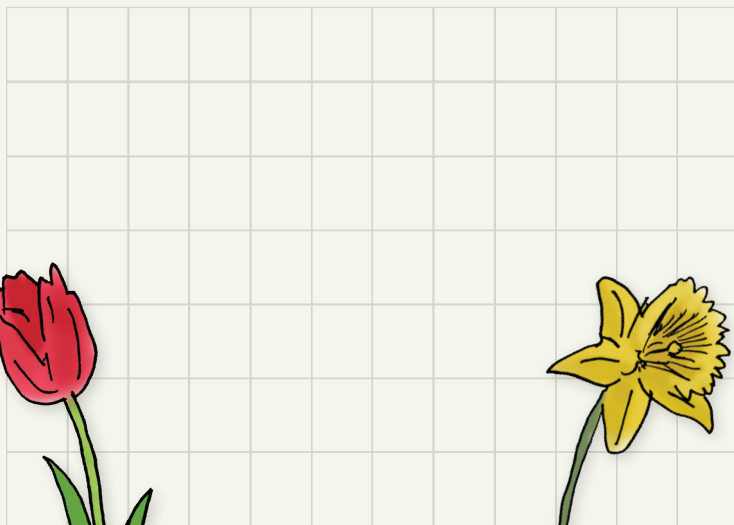
Lunch 12:30



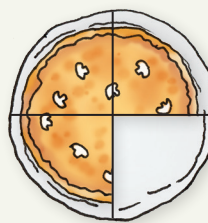
Dinner 6:00

Solve.

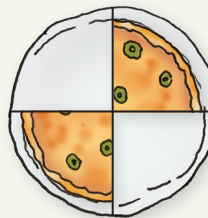
Greyson helped his mom plant 50 flower bulbs.  
 32 were tulips.  
 The rest were daffodils.  
 How many were daffodils?



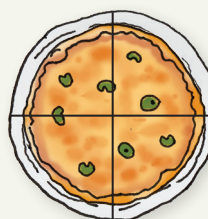
Match.



$\frac{3}{4}$



$\frac{4}{4}$



$\frac{2}{4}$

Lesson Activities 

A

$1 \times 2 = \square$

$6 \times 2 = \square$

$2 \times 2 = \square$

$7 \times 2 = \square$

$3 \times 2 = \square$

$8 \times 2 = \square$

$4 \times 2 = \square$

$9 \times 2 = \square$

$5 \times 2 = \square$

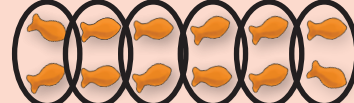
$10 \times 2 = \square$

B



2 groups of 6

$2 \times 6 = \square$



6 groups of 2

$6 \times 2 = \square$

$10 \times 2 = \square$

$8 \times 2 = \square$

$9 \times 2 = \square$

$2 \times 10 = \square$

$2 \times 8 = \square$

$2 \times 9 = \square$

C

Multiplication Crash ( $\times 2$ )

2

4

6

8

10

12

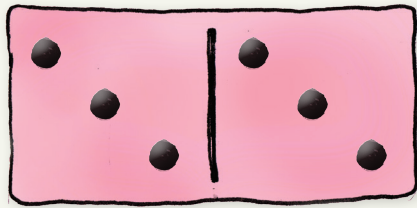
14

16

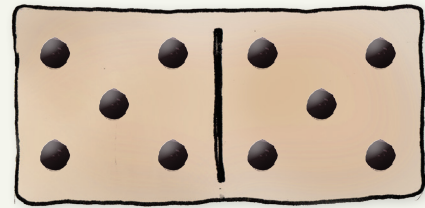
18

20

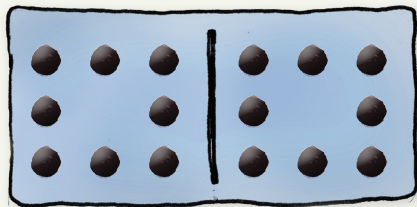


**Practice**  **Complete.**


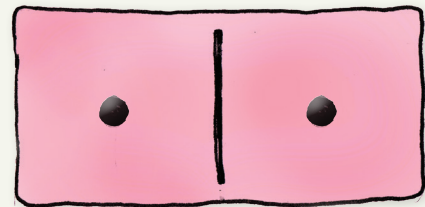
$2 \times 3 = \square$



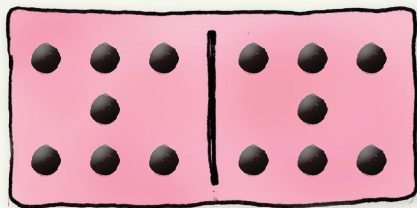
$2 \times 5 = \square$



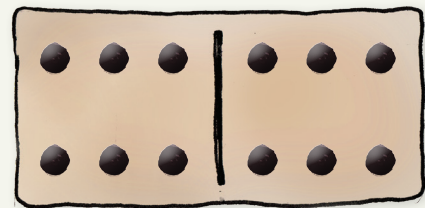
$2 \times 4 = \square$



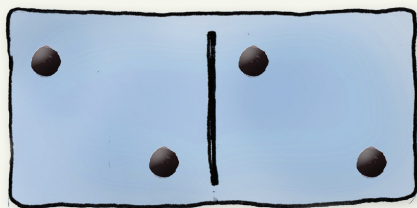
$2 \times 1 = \square$



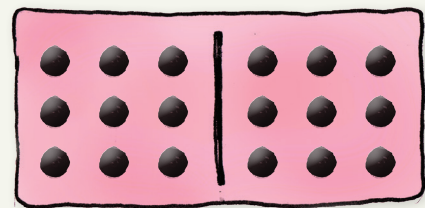
$2 \times 7 = \square$



$2 \times 6 = \square$



$2 \times 2 = \square$



$2 \times 9 = \square$



$2 \times 0 = \square$



$2 \times 4 = \square$

## Review

Complete the sequences.

Count by 1s

317 318        324

Count by 2s

540 542        554

Count by 5s

900 905       930

Complete.

$3 + 4 = \boxed{\phantom{00}}$

$30 + 40 = \boxed{\phantom{00}}$

$300 + 400 = \boxed{\phantom{00}}$

$8 - 2 = \boxed{\phantom{00}}$

$80 - 20 = \boxed{\phantom{00}}$

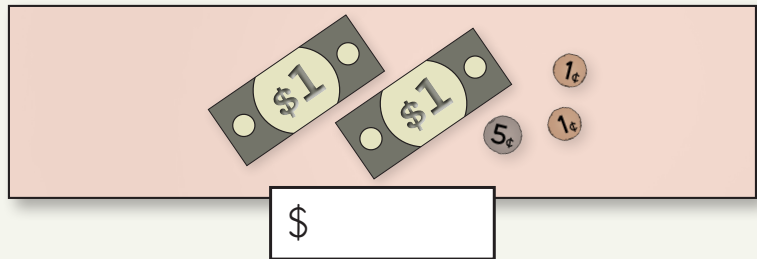
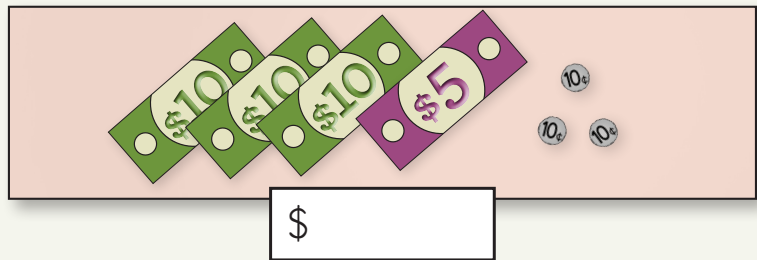
$800 - 200 = \boxed{\phantom{00}}$

$6 + \boxed{\phantom{00}} = 10$

$60 + \boxed{\phantom{00}} = 100$

$600 + \boxed{\phantom{00}} = 1,000$

Complete.



Solve.

Tia practiced violin for 15 minutes on Monday, 30 minutes on Tuesday, and 25 minutes on Wednesday. How many minutes did she practice?




Lesson Activities 

A

## Multiplication Undercover

Player  
1

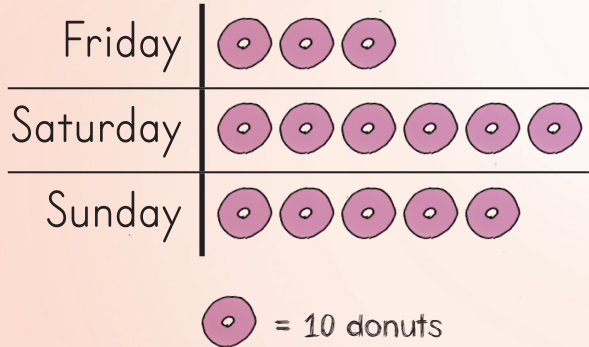
4 8 12 16 20 24 28 32 36 40

Player  
2

4 8 12 16 20 24 28 32 36 40

B

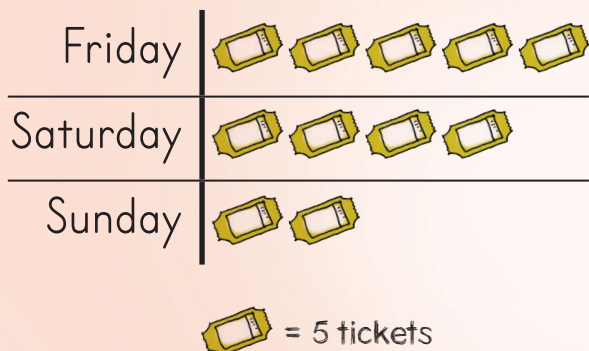
## Donut Sales



Day	Multiplication Problem	Number of Donuts
Friday		
Saturday		
Sunday		

C

## Pony Rides



Day	Multiplication Problem	Number of Tickets
Friday		
Saturday		
Sunday		

Practice 

Use the pictograph to answer the questions.  
Write a multiplication equation for each question.

## Pumpkins Sold

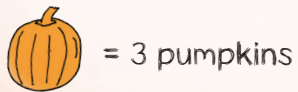
Friday



Saturday



Sunday



How many pumpkins were sold on Friday?

$$\square \times \square = \square$$

How many pumpkins were sold on Saturday?

$$\square \times \square = \square$$

How many pumpkins were sold on Sunday?

$$\square \times \square = \square$$

Complete.

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} 10 \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ \times \square \\ \hline \square \end{array}$$

## Review



Complete.

	2	9
+	4	8
<hr/>		

	6	5
+	3	5
<hr/>		

	4	2
-	1	6
<hr/>		

	8	0
-	2	7
<hr/>		

Write the time.


 : 

 : 

 : 

 : 

Complete.

$17 \text{ tens} = \boxed{\phantom{00}}$

$14 \text{ tens} = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \text{ tens} = 150$

$\boxed{\phantom{00}} \text{ tens} = 190$

$\star \boxed{\phantom{00}} \text{ tens} = 560$

$\star 38 \text{ tens} = \boxed{\phantom{00}}$

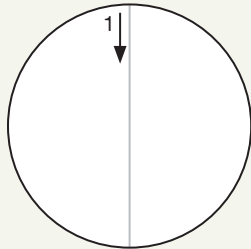
Solve. Write the equations you use.

The sum of 2 numbers is 20.  
One of the numbers is 11.  
What is the other number?

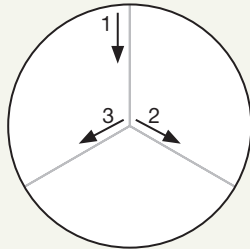

$\star$  The sum of 3 numbers is 24.  
One of the numbers is 8.  
Another one of the numbers is 7.  
What is the other number?


Lesson Activities 

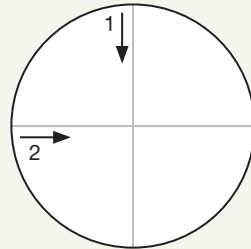
A



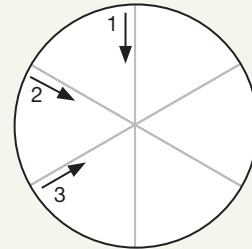
Halves



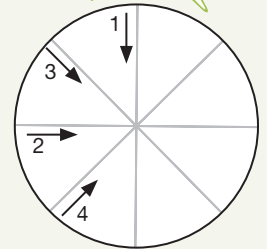
Thirds



Fourths

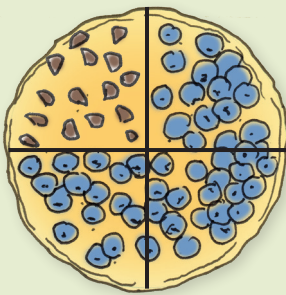
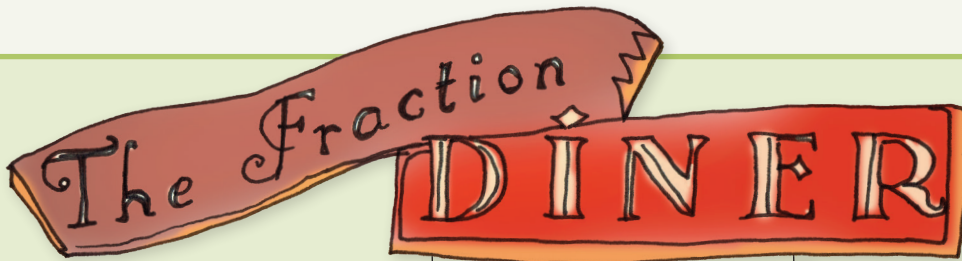


Sixths



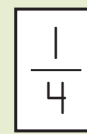
Eighths

B



## Guest Check

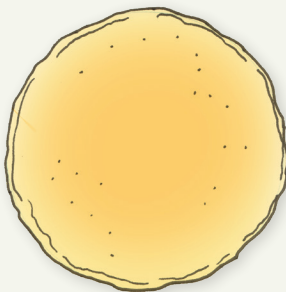
Chocolate Chips	$\frac{1}{4}$
Blueberries	$\frac{3}{4}$



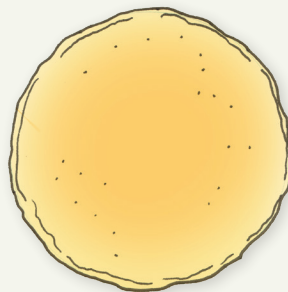
← Numerator  
Number of parts

← Denominator  
How many equal parts the whole was split into

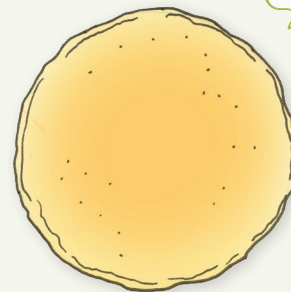
C



Strawberries	$\frac{1}{8}$
Chocolate Chips	$\frac{7}{8}$

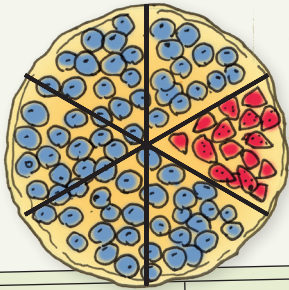


Bananas	$\frac{1}{3}$
Blueberries	$\frac{2}{3}$

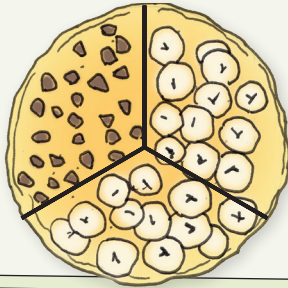


Strawberries	$\frac{5}{6}$
Bananas	$\frac{1}{6}$

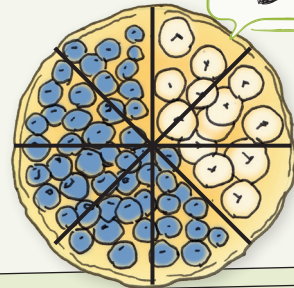
D



Blueberries	—
Strawberries	—



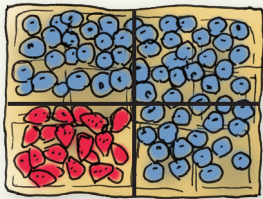
Chocolate Chips	—
Bananas	—



Blueberries	—
Bananas	—

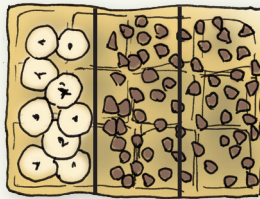
Practice

Write fractions to match the waffle toppings.



Blueberries

Strawberries



Bananas

Chocolate Chips



Chocolate Chips

Strawberries



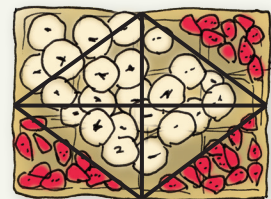
Bananas

Chocolate Chips



Strawberries

Bananas



Strawberries

Bananas

Review 

Match pairs that equal 1,000.

800

700

600

750

650

300

250

200

350

400

Complete.

$4 \times 6 = \square$

$7 \times 2 = \square$

$5 \times 8 = \square$

$3 \times 3 = \square$

$8 \times 3 = \square$

$1 \times 6 = \square$

$5 \times 7 = \square$

$2 \times 9 = \square$

$3 \times 7 = \square$

$0 \times 6 = \square$

$6 \times 5 = \square$

$4 \times 4 = \square$

$8 \times 2 = \square$

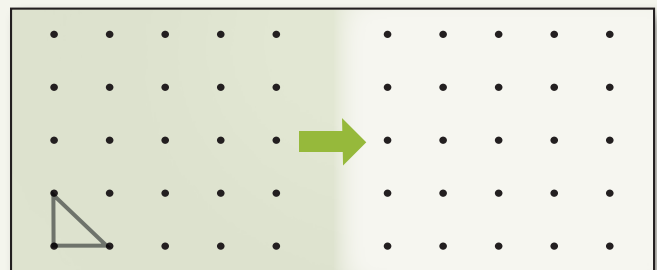
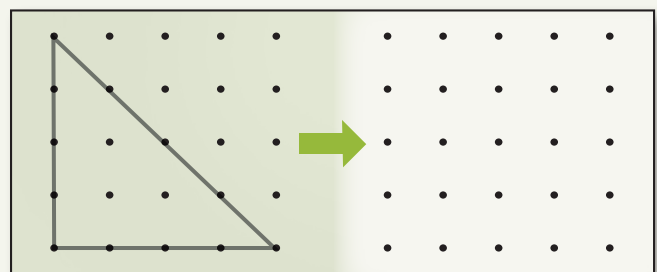
$7 \times 4 = \square$

$9 \times 3 = \square$

Round to the nearest hundred.

895	
536	
450	
707	
619	
244	

Copy the shapes.





THIRD GRADE  
MATH WITH  
CONFIDENCE

PART  
B

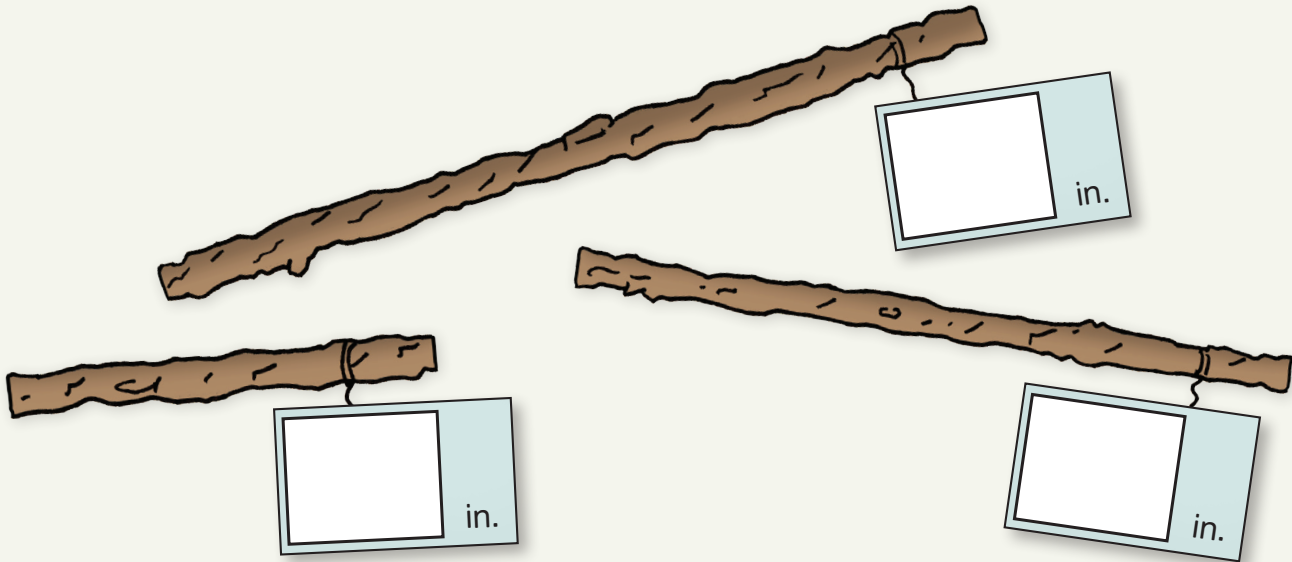


STUDENT WORKBOOK PART B

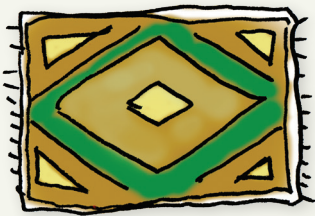
KATE SNOW

# Unit Wrap-Up

Use a ruler to measure the sticks to the nearest quarter-inch.



Circle the more sensible unit for each item.



Area of a rug

40 sq. ft.	40 sq. in.
---------------	---------------



Area of a sticky note

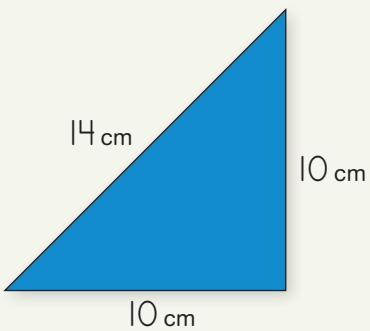
25 sq. cm	25 sq. m
--------------	-------------



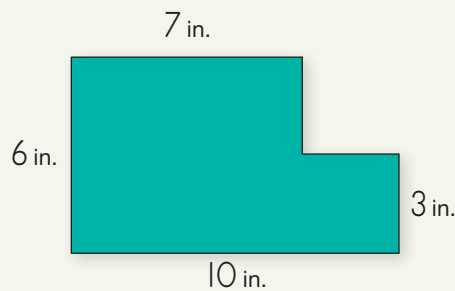
Area of a parking lot

300 sq. m	300 sq. km
--------------	---------------

Find the perimeter. Include the correct unit.

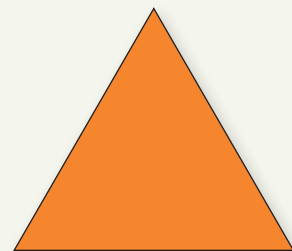


Perimeter:



Perimeter:

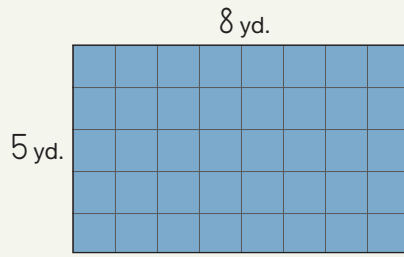
All sides are 6 m.



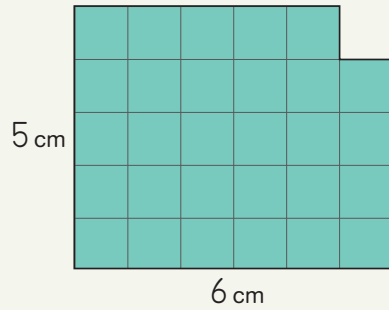
Perimeter:

# Unit Wrap-Up

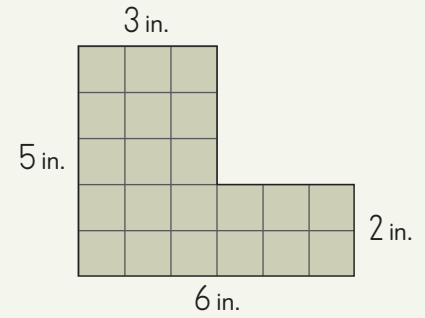
Find the area. Include the correct unit.



Area:

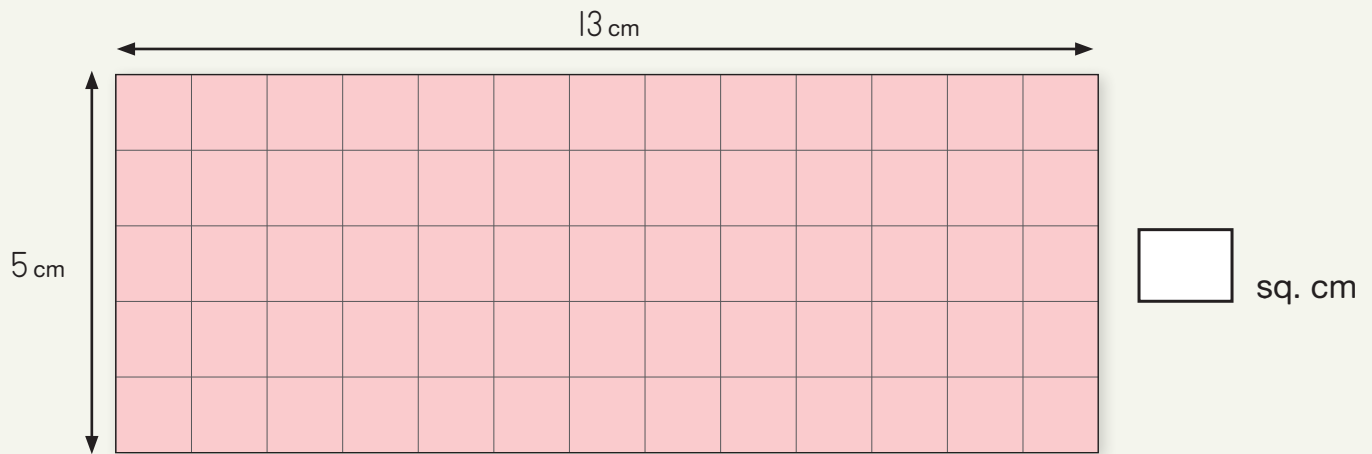


Area:



Area:

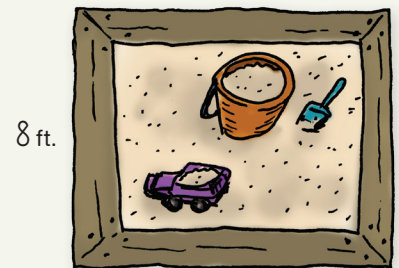
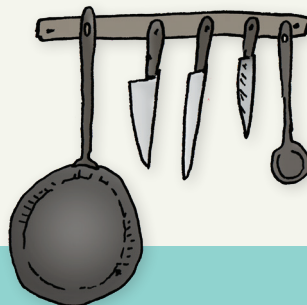
Split the rectangle into smaller rectangles. Then, find the area of the whole rectangle.



Solve. Write the equations you use.

Hannah's kitchen is 20 ft. long and 18 ft. wide. What is the perimeter of the kitchen?

The shorter side of the sandbox is 8 ft. long. The other side is 2 ft. longer. What is the perimeter of the sandbox?



Lesson Activities 

A

	3	9	8	4
+	2	6	3	2
<hr/>				

Estimate

+

---

	4	1	9	6
-	2	8	7	9
<hr/>				

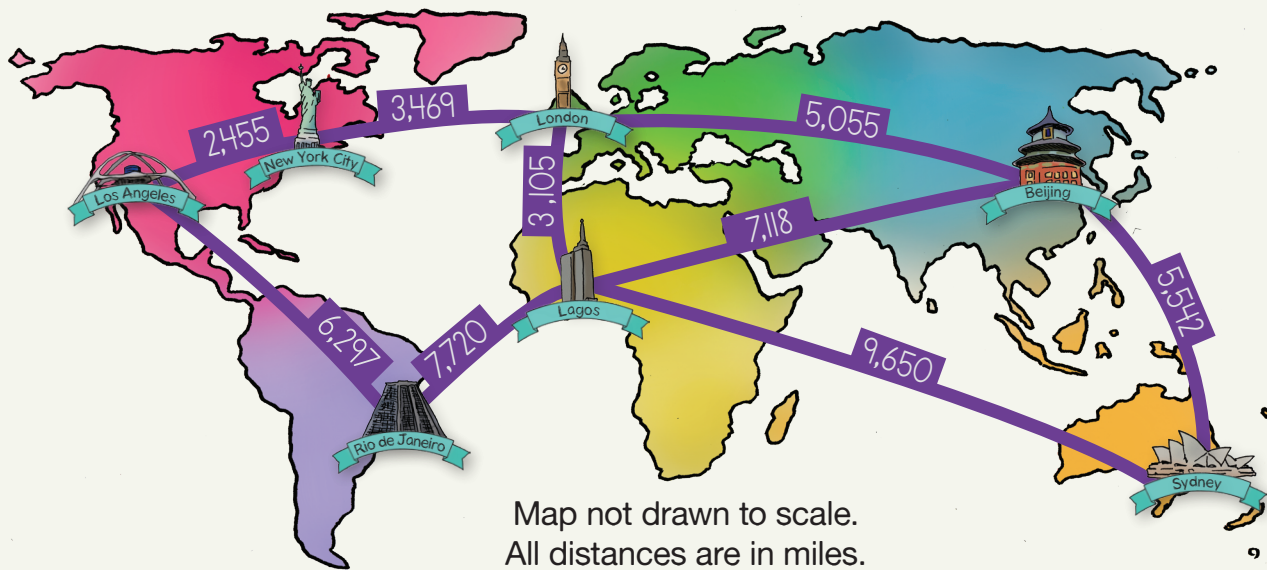
Estimate





-

---

B

## Distance Between Cities



Itinerary	Total Distance Traveled	Difference in Flight Lengths																								
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>  <div style="border: 1px solid black; height: 20px; width: 80%; margin-left: 10px;"></div>  <div style="border: 1px solid black; height: 20px; width: 80%; margin-left: 10px;"></div>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> <tr> <td colspan="4"><hr/></td> </tr> <tr> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> </tr> </table>					<hr/>								<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> <tr> <td colspan="4"><hr/></td> </tr> <tr> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> </tr> </table>					<hr/>							
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<div style="border: 1px solid black; height: 20px; width: 100%;"></div>  <div style="border: 1px solid black; height: 20px; width: 80%; margin-left: 10px;"></div>  <div style="border: 1px solid black; height: 20px; width: 80%; margin-left: 10px;"></div>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> <tr> <td colspan="4"><hr/></td> </tr> <tr> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> </tr> </table>					<hr/>								<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> <td style="width: 25px;"> </td> </tr> <tr> <td colspan="4"><hr/></td> </tr> <tr> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> <td style="background-color: #d3d3d3;"> </td> </tr> </table>					<hr/>							
<hr/>																										
<hr/>																										

## Practice

Complete.

	6	9	2	7
+	1	4	6	2


	4	1	5	8
-	2	6	4	1

	5	0	6	5
-	3	2	4	8


Use the ad to solve. Write the equations you use.

**LARRY'S  
USED  
VEHICLES**


**Big Sale!**



Golf Cart  
\$3,249



All-terrain Vehicle  
\$4,950



Motorcycle  
\$6,578

How much does it cost to buy the golf cart and the all-terrain vehicle?






How much more does the motorcycle cost than the golf cart?


You have \$4,500. You buy the golf cart. How much money do you have left?


How much does it cost to buy the motorcycle and the golf cart?



Review 

Use the chart to complete the pictograph.

Favorite Season	Number of People
 Winter	6
 Spring	10
 Summer	14
 Fall	8

## Favorite season

Winter	  
Spring	
Summer	
Fall	

 = 2 people

Complete.

$$\frac{2}{4} + \frac{1}{4} = \boxed{\quad}$$

$$\frac{1}{3} + \frac{2}{3} = \boxed{\quad}$$

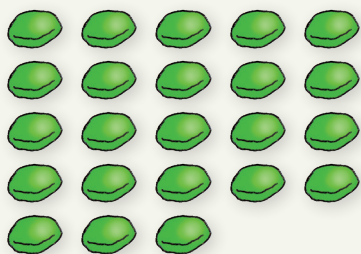
$$\frac{3}{6} + \frac{2}{6} = \boxed{\quad}$$

$$\frac{3}{4} - \frac{1}{4} = \boxed{\quad}$$

$$\frac{3}{3} - \frac{1}{3} = \boxed{\quad}$$

$$\frac{5}{6} - \frac{2}{6} = \boxed{\quad}$$

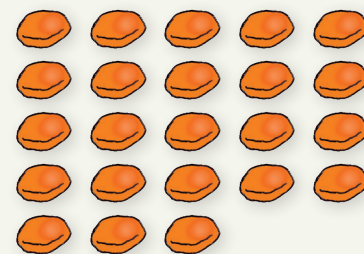
Complete.



$$23 \div 5 = \boxed{\quad}$$



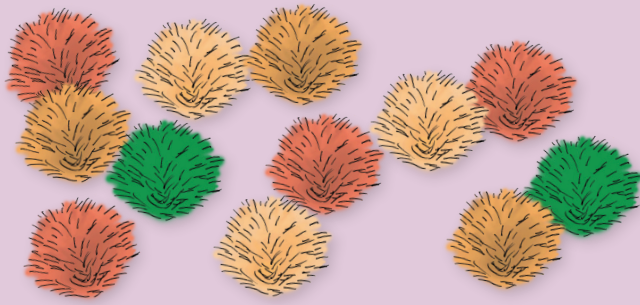
$$23 \div 4 = \boxed{\quad}$$



$$23 \div 10 = \boxed{\quad}$$

Lesson Activities 

A



$$12 \div 3 = \square$$

$$\square \times 3 = 12$$

$$6 \div 3 = \square$$

$$9 \div 3 = \square$$

$$3 \div 3 = \square$$

$$15 \div 3 = \square$$

$$18 \div 3 = \square$$

$$30 \div 3 = \square$$

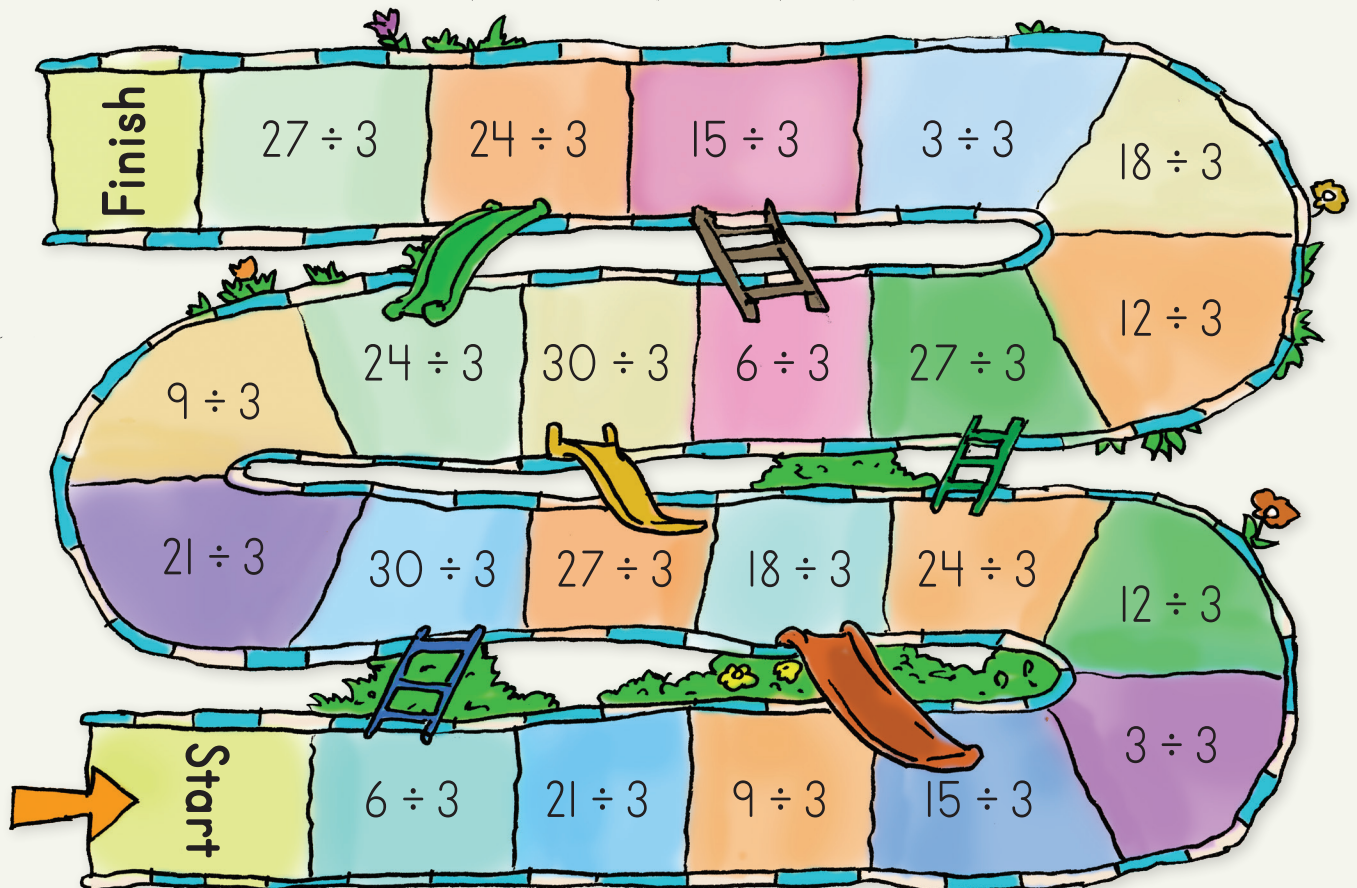
$$21 \div 3 = \square$$

$$27 \div 3 = \square$$

$$24 \div 3 = \square$$

B

## Climb and Slide



## Practice



Complete.

$$\square \times 3 = 12$$

$$12 \div 3 = \square$$

$$\square \times 3 = 6$$

$$6 \div 3 = \square$$

$$\square \times 3 = 15$$

$$15 \div 3 = \square$$

$$\square \times 3 = 24$$

$$24 \div 3 = \square$$

$$\square \times 3 = 3$$

$$3 \div 3 = \square$$

$$\square \times 3 = 30$$

$$30 \div 3 = \square$$

$$\square \times 3 = 27$$

$$27 \div 3 = \square$$

$$\square \times 3 = 9$$

$$9 \div 3 = \square$$

$$\square \times 3 = 21$$

$$21 \div 3 = \square$$

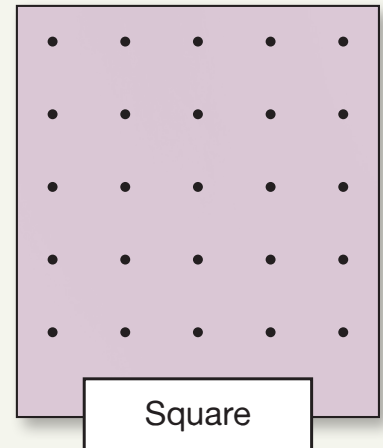
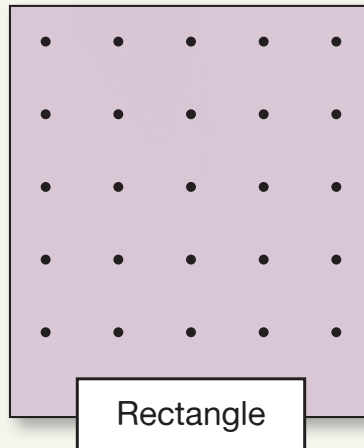
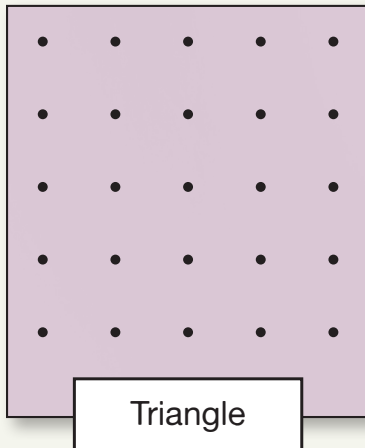
$$\square \times 3 = 18$$

$$18 \div 3 = \square$$



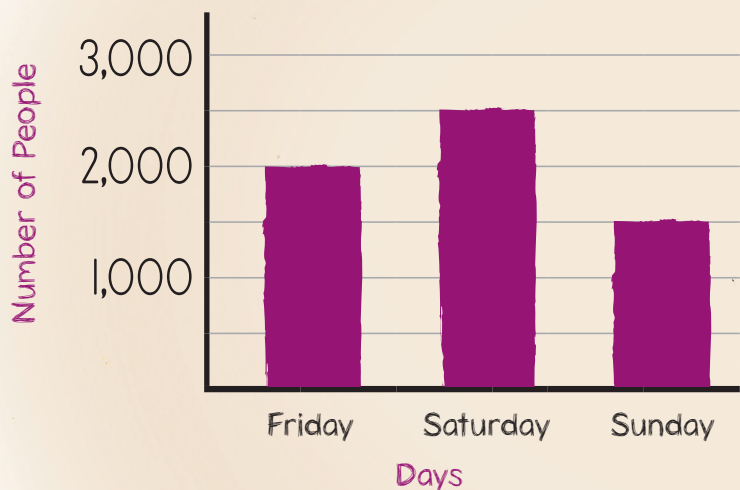
Review 

Draw a shape to match.



Isabella made a bar graph to show how many people came to the skating rink each day. Use the bar graph to complete the chart and answer the questions.

### People at the Skating Rink



Day	Number of People
Friday	
Saturday	
Sunday	

How many more people came on Saturday than Friday?

How many fewer people came on Sunday than Saturday?

How many people came in all on Saturday and Sunday?

How many people came in all 3 days?

Lesson Activities 

A

## Multiplication Undercover

Player  
1

8	16	24	32	40	48	56	64	72	80
---	----	----	----	----	----	----	----	----	----

Player  
2

8	16	24	32	40	48	56	64	72	80
---	----	----	----	----	----	----	----	----	----

B

## Day Camp Schedule

Activity	Start Time	End Time
Outdoor Skills (1 hr. 10 min.)	8:00	
Capture the Flag (1 hr. 15 min.)		
Hike (1 hr. 45 min.)		
Lunch and Sing-along (50 min.)		
Afternoon Choice Time (3 hr. 30 min.)		

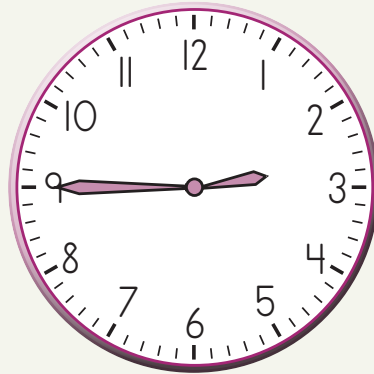
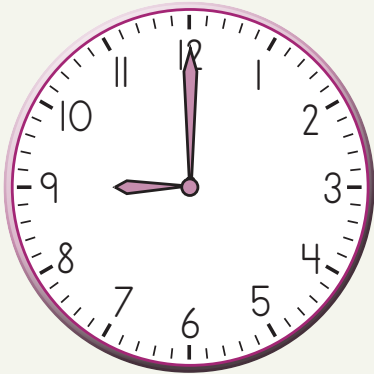
## AFTERNOON ACTIVITY CHOICES

Activity	Start Time	End Time	Length of Activity
Swimming	1:00	4:00	
Canoeing	2:30	4:30	
Archery	2:00	3:40	
Crafts	1:30	2:45	
Rock Climbing	2:45	4:25	

Practice

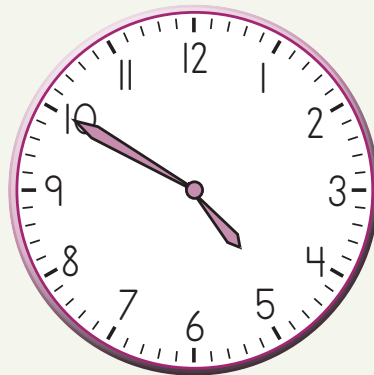
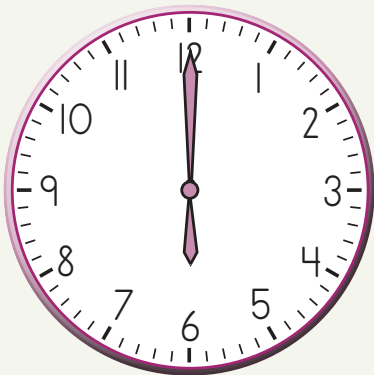


Complete.



9:00	1 hr. →	<input type="text"/>
9:00	2 hr. →	<input type="text"/>
9:00	2 hr. 45 min. →	<input type="text"/>
9:00	3 hr. 20 min. →	<input type="text"/>

2:45	2 hr. →	<input type="text"/>
2:45	2 hr. 10 min. →	<input type="text"/>
2:45	2 hr. 15 min. →	<input type="text"/>
2:45	2 hr. 25 min. →	<input type="text"/>



6:00	<input type="text"/> hr. →	8:00
6:00	<input type="text"/> hr. <input type="text"/> min. →	8:30
6:00	<input type="text"/> hr. <input type="text"/> min. →	9:40
6:00	<input type="text"/> hr. →	12:00

4:50	<input type="text"/> hr. →	6:50
4:50	<input type="text"/> hr. <input type="text"/> min. →	7:00
★ 4:50	<input type="text"/> hr. <input type="text"/> min. →	7:15
★ 4:50	<input type="text"/> hr. <input type="text"/> min. →	8:05

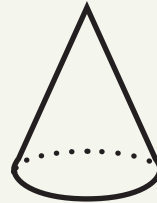
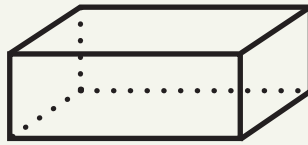
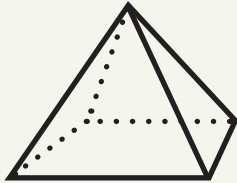
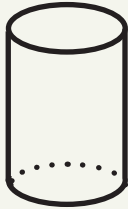
Review



Round to the nearest thousand.

5,450	6,975	1,050	8,350	4,625	7,250

Match each shape to its name.



- Pyramid
- Triangular prism
- Cylinder
- Rectangular prism
- Cone

Complete.

		9
×		3

		8
×		5

		9
×		7

		4
×		7

		8
×		6

		8
×		8

		8
×		3

		6
×		7

		9
×		4

		8
×		7

		9
×		8

		5
×		7

		9
×		6

		7
×		7

		8
×		4