

# Unit 2: Home Practice

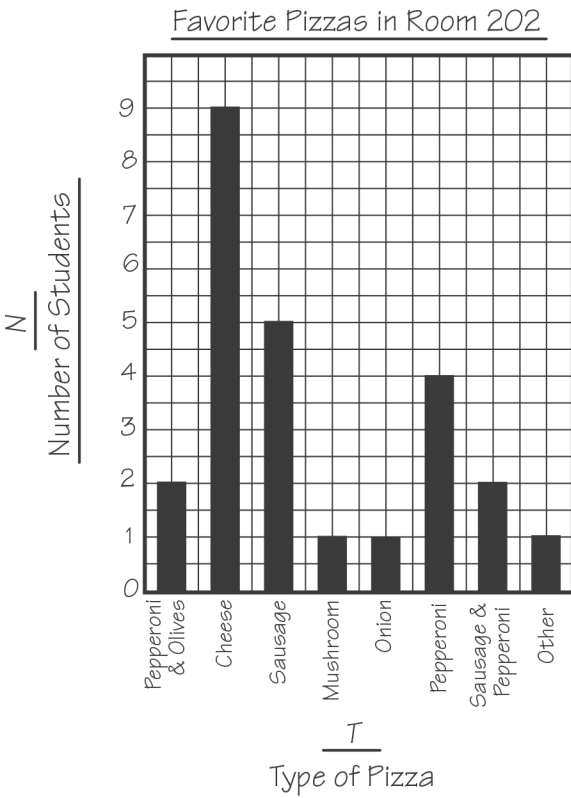
## Part 1 Addition and Subtraction Practice

- A.  $60 + 30 =$  \_\_\_\_\_
- B.  $90 + 30 =$  \_\_\_\_\_
- C.  $60 + 60 + 60 =$  \_\_\_\_\_
- D.  $80 - 60 =$  \_\_\_\_\_
- E.  $100 - 70 =$  \_\_\_\_\_
- F.  $130 - 60 =$  \_\_\_\_\_
- G.  $150 - 80 =$  \_\_\_\_\_
- H.  $150 - 90 =$  \_\_\_\_\_
- I.  $180 + 30 =$  \_\_\_\_\_
- J.  $210 - 20 =$  \_\_\_\_\_

## Part 2 Reading Bar Graphs

Room 202 collected data on the types of pizza they like. Their graph is shown here.

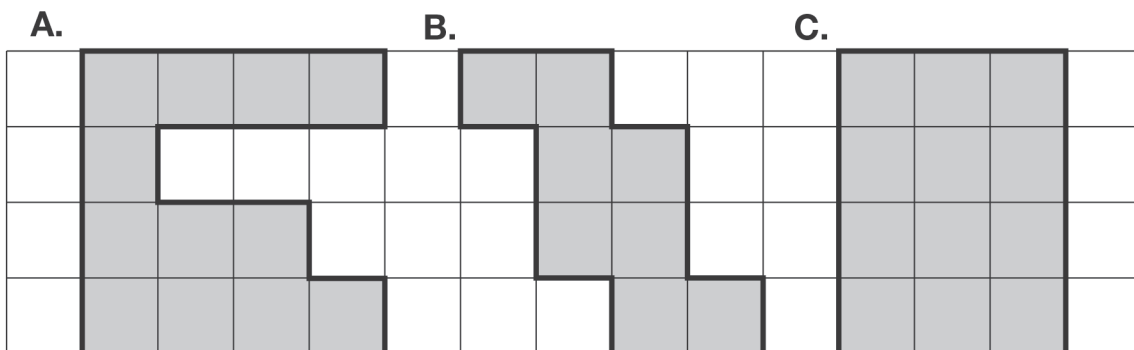
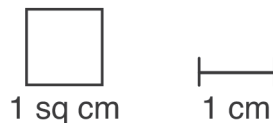
- How many students like only cheese on their pizza?  
\_\_\_\_\_
- How many more students prefer a plain cheese pizza than a pizza with mushrooms?  
\_\_\_\_\_
- How many students like pizza that has pepperoni on it?  
\_\_\_\_\_
- How many students are in Room 202? \_\_\_\_\_
- Is Type of Pizza a categorical or numerical variable?  
\_\_\_\_\_
- Is Number of Students a categorical or numerical variable?  
\_\_\_\_\_
- Which variable did Room 202 graph on the horizontal axis?  
\_\_\_\_\_



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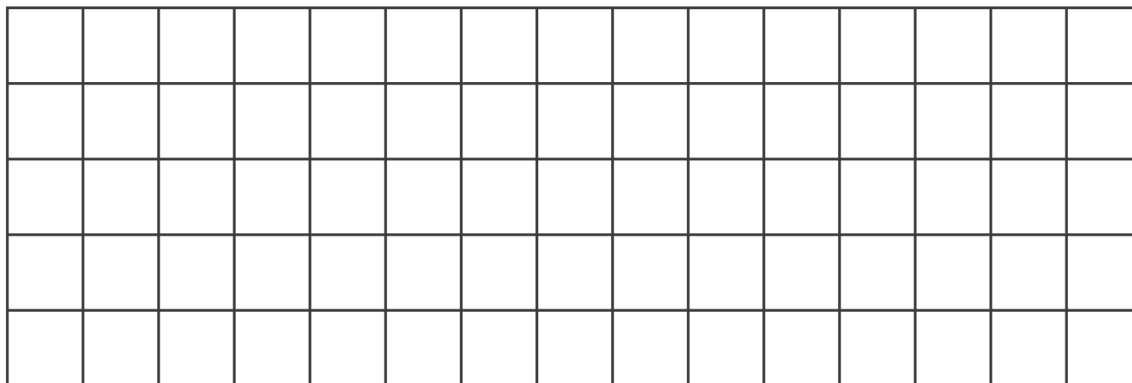
**Part 3** Area and Perimeter

1. Find the area and perimeter of the shapes. Include the unit of measurement.



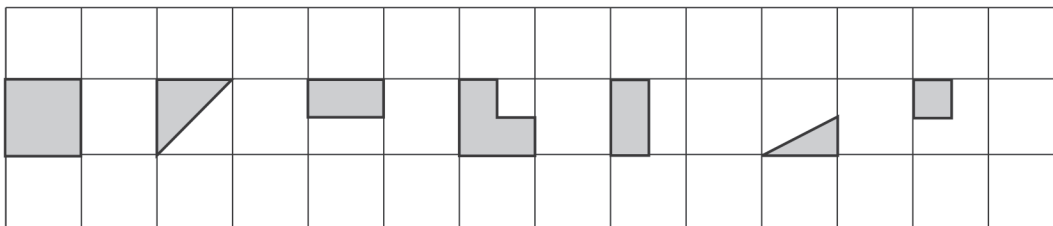
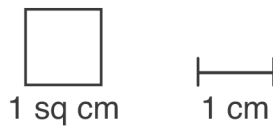
Area \_\_\_\_\_ Area \_\_\_\_\_ Area \_\_\_\_\_  
 Perimeter \_\_\_\_\_ Perimeter \_\_\_\_\_ Perimeter \_\_\_\_\_

2. Draw a shape that has a perimeter of 20 cm. Label the shape with its area.



**Part 4 Finding Area**

1. Circle the shapes that show  $\frac{1}{2}$  of a square centimeter.



2. Find the area of the shapes below. Include the unit of measurement.

<p><b>A.</b></p>	<p><b>A.</b> Area _____</p>
<p><b>B.</b></p>	<p><b>B.</b> Area _____</p>
<p><b>C.</b></p>	<p><b>C.</b> Area _____</p>

3. Find the area of the shapes below.

<p><b>A.</b></p>	<p><b>B.</b></p>
<p><b>A.</b> Area _____</p>	<p><b>B.</b> Area _____</p>

**Part 5** Subtraction Practice

Do the following problems in your head.

A.  $11 - 9 =$  \_\_\_\_\_

B.  $13 - 4 =$  \_\_\_\_\_

C.  $12 - 3 =$  \_\_\_\_\_

D.  $13 - 8 =$  \_\_\_\_\_

E.  $12 - 8 =$  \_\_\_\_\_

F.  $101 - 3 =$  \_\_\_\_\_

G.  $92 - 4 =$  \_\_\_\_\_

H.  $52 - 48 =$  \_\_\_\_\_

I.  $171 - 167 =$  \_\_\_\_\_

J.  $134 - 5 =$  \_\_\_\_\_

K. Explain how you solved  $52 - 48$ .

**Part 6** Skip Counting

1. Skip count by fives backward from 90. Record the numbers below as you say them.

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2. Skip count by threes backward from 60. Record the numbers.

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3. Skip count by 7s to 63. Record the numbers.

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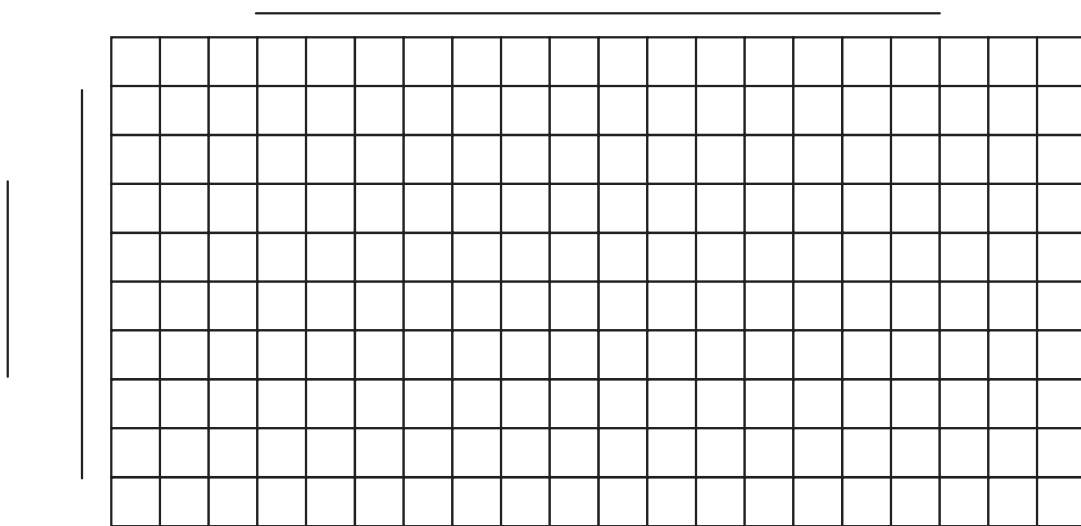
**Part 7** Point Graphs

Nila checked the baby-shoe size of her little cousins and also wrote down their ages. She collected the data in this table.

1. Write Nila’s data as ordered pairs in the table.
2. Graph the data in a point graph using the graph below.
3. What variable did you put on the horizontal axis? \_\_\_\_\_  
The vertical axis? \_\_\_\_\_

Name	Age in Months	Shoe Size	Ordered Pairs (Mos., Size)
Hayden	12	4	
Charlie	34	7	
Anita	20	5	
Hope	26	7	
Willis	32	8	

4. Who is the oldest little cousin? \_\_\_\_\_ The youngest? \_\_\_\_\_
5. Who wears the largest size? \_\_\_\_\_ The smallest size? \_\_\_\_\_
6. What does the graph tell you about the relationship between age and shoe size?
7. How many years old is Hayden? \_\_\_\_\_ Hope? \_\_\_\_\_
8. If Riley’s shoe size is 6, about how old do you think he is? \_\_\_\_\_





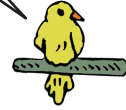
4. Linda showed this work for Question 3. What would you add to Linda's solution to make it more clear?

3.

$$\begin{array}{r} 170 \\ \underline{150} \\ 320 \end{array}$$

Math Practices Expectations:

- 5. Show my work.** I show or tell how I arrived at my answer so someone else can understand my thinking.  
**6. Use labels.** I use labels to show what numbers mean.



Rewrite Linda's work with your suggested changes.

5. On the way home, they stopped in the grocery store. Ming went to the deli counter to buy lunch meat. He took a number from the counter which gave his turn in line. The girl behind the counter was waiting on Number 54. After Number 54, nine more people needed to be served before it was Ming's turn. What number did Ming have?
6. When Ming got home, he and his grandmother played a basketball game on the computer. His grandmother won the game! Her team scored 17 more points than Ming's team. If Ming's team scored 74 points, how many points did his grandmother's team score?

Home Practice

Part 1. (TG p. 1)

Questions A–J

- A. 90
- B. 120
- C. 180
- D. 20
- E. 30
- F. 70
- G. 70
- H. 60
- I. 210
- J. 190

Part 2. (TG p. 1)

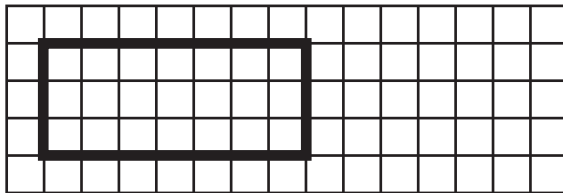
Questions 1–7

1. 9 students
2. 8 students
3. 8 students
4. 25 students
5. categorical variable
6. numerical variable
7. Type of Pizza

Part 3. (TG p. 2)

Questions 2

1. A. Area 12 sq cm  
Perimeter 22 cm
- B. Area 8 sq cm  
Perimeter 16 cm
- C. Area 12 sq cm  
Perimeter 14 cm
2. Possible response:



Area = 21 sq cm

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Name \_\_\_\_\_ Date \_\_\_\_\_

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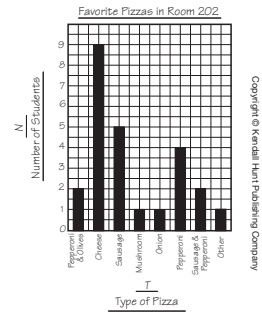
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Part 2 Reading Bar Graphs

Room 202 collected data on the types of pizza they like. Their graph is shown here.

1. How many students like only cheese on their pizza?
2. How many more students prefer a plain cheese pizza than a pizza with mushrooms?
3. How many students like pizza that has pepperoni on it?
4. How many students are in Room 202?
5. Is Type of Pizza a categorical or numerical variable?
6. Is Number of Students a categorical or numerical variable?
7. Which variable did Room 202 graph on the horizontal axis?



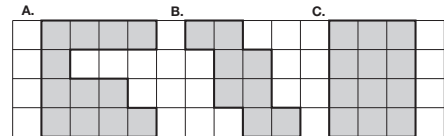
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Name \_\_\_\_\_ Date \_\_\_\_\_

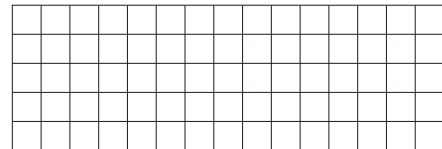
Part 3 Area and Perimeter

1. Find the area and perimeter of the shapes. Include the unit of measurement.



Area \_\_\_\_\_ Area \_\_\_\_\_ Area \_\_\_\_\_  
Perimeter \_\_\_\_\_ Perimeter \_\_\_\_\_ Perimeter \_\_\_\_\_

2. Draw a shape that has a perimeter of 20 cm. Label the shape with its area.



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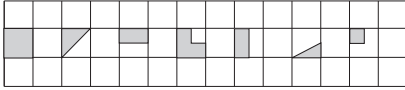
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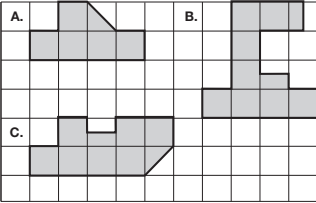
Name \_\_\_\_\_ Date \_\_\_\_\_

**Part 4 Finding Area**

1. Circle the shapes that show  $\frac{1}{2}$  of a square centimeter. 

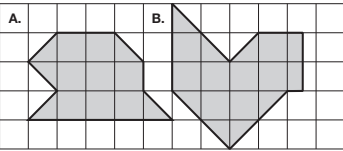


2. Find the area of the shapes below. Include the unit of measurement.



A. Area \_\_\_\_\_  
B. Area \_\_\_\_\_  
C. Area \_\_\_\_\_

3. Find the area of the shapes below.



A. Area \_\_\_\_\_ B. Area \_\_\_\_\_

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**Part 5 Subtraction Practice**

Do the following problems in your head.

A.  $11 - 9 =$  \_\_\_\_\_ B.  $13 - 4 =$  \_\_\_\_\_  
 C.  $12 - 3 =$  \_\_\_\_\_ D.  $13 - 8 =$  \_\_\_\_\_  
 E.  $12 - 8 =$  \_\_\_\_\_ F.  $101 - 3 =$  \_\_\_\_\_  
 G.  $92 - 4 =$  \_\_\_\_\_ H.  $52 - 48 =$  \_\_\_\_\_  
 I.  $171 - 167 =$  \_\_\_\_\_ J.  $134 - 5 =$  \_\_\_\_\_  
 K. Explain how you solved  $52 - 48$ .

**Part 6 Skip Counting**

1. Skip count by fives backward from 90. Record the numbers below as you say them.

\_\_\_\_\_

\_\_\_\_\_

2. Skip count by threes backward from 60. Record the numbers.

\_\_\_\_\_

\_\_\_\_\_

3. Skip count by 7s to 63. Record the numbers.

\_\_\_\_\_

\_\_\_\_\_

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**Part 4. (TG p. 3)**

**Questions 1–3**

- Second, third, and fifth shapes
- A.  $5\frac{1}{2}$  sq cm  
B. 9 sq cm  
C. 8 sq cm
- A.  $10\frac{1}{2}$  sq cm  
B.  $12\frac{1}{2}$  sq cm

**Part 5. (TG p. 4)**

**Questions A–K**

- |       |        |
|-------|--------|
| A. 2  | B. 9   |
| C. 9  | D. 5   |
| E. 4  | F. 98  |
| G. 88 | H. 4   |
| I. 4  | J. 129 |
- K. Answers may vary.

Possible response:  $52 - 50 = 2$ . Subtract two more and the answer is 4.

**Part 6. (TG p. 4)**

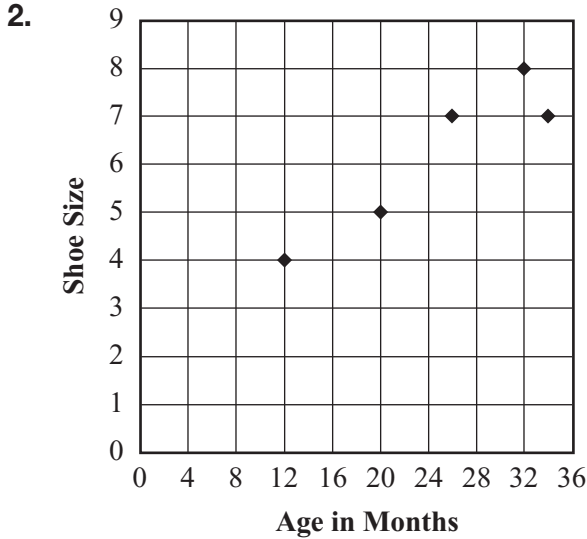
**Questions 1–3**

- 90, 85, 80, 75, 70, 65, 60, 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0
- 60, 57, 54, 51, 48, 45, 42, 39, 36, 33, 30, 27, 24, 21, 18, 15, 12, 9, 6, 3, 0
- 0, 7, 14, 21, 28, 35, 42, 49, 56, 63

Part 7. (TG p. 5)

Questions 1–8

1. Ordered pairs in the fourth column:  
(12, 4), (34, 7), (20, 5), (26, 7), (32, 8)



3. Age in Months is on the horizontal axis.  
Shoe Size is on the vertical axis.
4. Charlie is the oldest; Hayden is the youngest.
5. Willis wears the largest size shoe; Hayden wears the smallest.
6. It shows that generally the greater the age, the larger the shoe size.
7. Hayden is 1 year old; Hope is a little more than 2 years old—2 years 2 months.
8. Students should estimate between 20 and 34 months.

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**Part 7 Point Graphs**  
Nila checked the baby-shoe size of her little cousins and also wrote down their ages. She collected the data in this table.

Name	Age in Months	Shoe Size	Ordered Pairs (Mos., Size)
Hayden	12	4	
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- Write Nila's data as ordered pairs in the table.
- Graph the data in a point graph using the graph below.
- What variable did you put on the horizontal axis? \_\_\_\_\_  
The vertical axis? \_\_\_\_\_
- Who is the oldest little cousin? \_\_\_\_\_ The youngest? \_\_\_\_\_
- Who wears the largest size? \_\_\_\_\_ The smallest size? \_\_\_\_\_
- What does the graph tell you about the relationship between age and shoe size?
- How many years old is Hayden? \_\_\_\_\_ Hope? \_\_\_\_\_
- If Riley's shoe size is 6, about how old do you think he is? \_\_\_\_\_

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**Part 8 Shopping with Grandmother**

Solve the following problems. Show how you solved each one using drawings or words.

- Ming and his grandmother went shopping at the mall. The mall has two floors. The first floor has 62 stores. The second floor has 48 stores. How many stores are in the mall?
- The mall newspaper claims that nearly half the stores are participating in a fall sale. About how many stores are participating in the fall sale?
- The bus fare to the mall was 85¢ for his grandmother and 75¢ for Ming. What was the total bus fare to and from the mall? (Remember, they need to come home too!)

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**Part 8. (TG pp.6–7)**

**Questions 1–6**

- 110 stores.  $62 + 48 = 110$
- About 55 stores.  $110 \div 2 = 55$
- \$3.20;  $85 + 85 + 75 + 75 = 320$
- Linda did not show all the steps or use labels.

$$\begin{array}{r} 85 \\ + 85 \\ \hline 170 \end{array} \quad \begin{array}{r} 75 \\ + 75 \\ \hline 150 \end{array} \quad \begin{array}{r} 170 \\ + 150 \\ \hline 320 \end{array}$$

\$3.20

- 64;  $54 + 9 + 1 = 64$
- 91 points;  $74 + 17 = 91$

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Name \_\_\_\_\_ Date \_\_\_\_\_

- Linda showed this work for Question 3. What would you add to Linda's solution to make it more clear?

3.

$$\begin{array}{r} 170 \\ 150 \\ \hline 320 \end{array}$$

**Math Practices Expectations:**  
**5. Show my work.** I show or tell how I arrived at my answer so someone else can understand my thinking.  
**6. Use labels.** I use labels to show what numbers mean.



Rewrite Linda's work with your suggested changes.

- On the way home, they stopped in the grocery store. Ming went to the deli counter to buy lunch meat. He took a number from the counter which gave his turn in line. The girl behind the counter was waiting on Number 54. After Number 54, nine more people needed to be served before it was Ming's turn. What number did Ming have?
- When Ming got home, he and his grandmother played a basketball game on the computer. His grandmother won the game! Her team scored 17 more points than Ming's team. If Ming's team scored 74 points, how many points did his grandmother's team score?

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