Incoming Fourth Grade

Summer MATH

Chapter Review
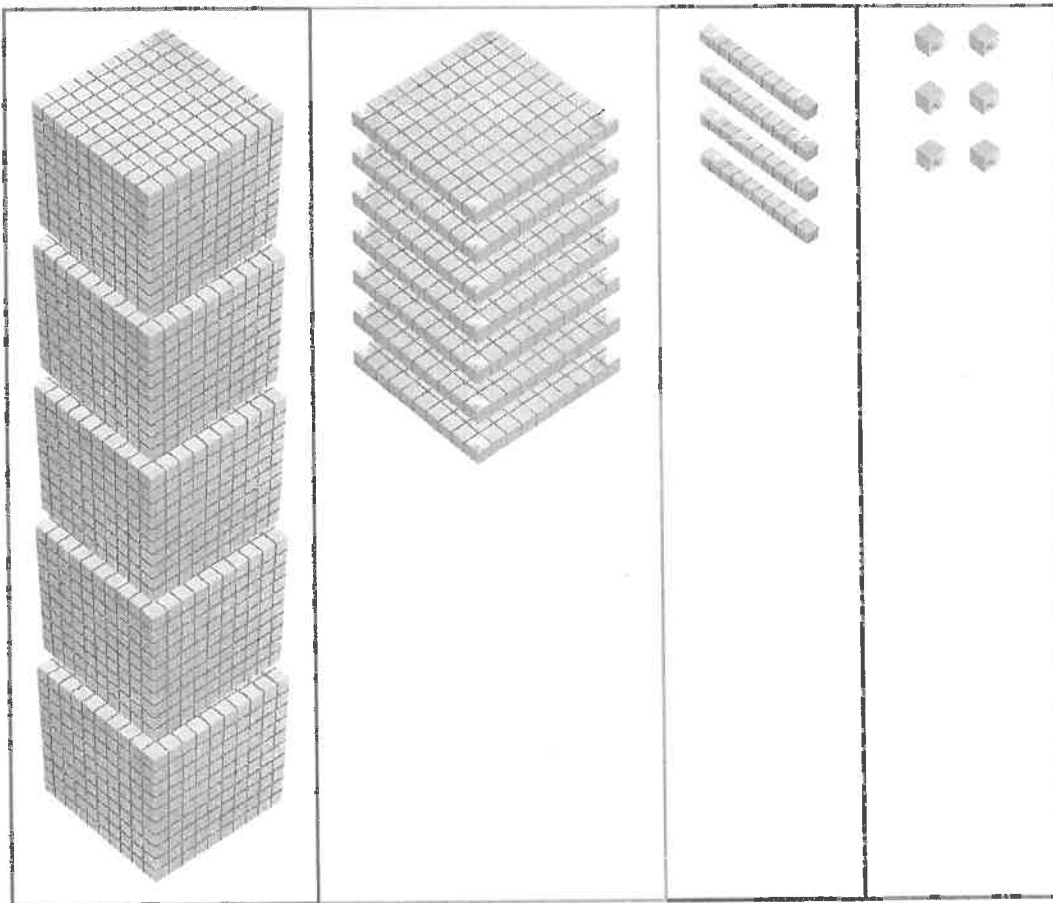
Name: _____ Date: _____

Fill in each blank.

1

Standard form: _____

Word form: _____

Write the number in expanded form and word form.

2 8,056

    Expanded form: _____

    Word form: _____

Chapter Review

Find each missing number.
Count on by ones, tens, hundreds, or thousands.

3   4,507   4,508   4,509   _____ _____ _____

4   8,384   8,484   8,584   _____ _____ _____

5   1,920   2,920   3,920   _____ _____ _____

6   7,666   7,676   7,686   _____ _____ _____

Write the number in expanded form, standard form, and word form.

```
3, 0  0  0
   7  0  0
      9  0
         2
```

7   Expanded form: _____

8   Standard form: _____

9   Word form: _____

Fill in each blank.

10   In 1,984

The digit _____ is in the hundreds place.

The value of the digit 1 is _____.

The digit 8 stands for _____.

Chapter Review

Find each missing number.

11 $2{,}000 + 300 + \underline{\hspace{2cm}} + 7 = 2{,}357$

12 $\underline{\hspace{2cm}} + 500 = 4{,}500$

13 $6{,}000 + 10 + \underline{\hspace{2cm}} = 6{,}019$

Compare each pair of numbers. Write < or >.

14 6,212   8,523   15 3,765   3,657

16 4,086   4,068   17 7,116   7,136

Order each set of numbers from greatest to least.

18 3,615   3,156   3,561

    _____   _____   _____
    greatest   least

19 6,591   4,758   6,359   4,682

    _____   _____   _____   _____
    greatest   least

Order each set of numbers from least to greatest.

20 5,086   8,245   5,896

    _____   _____   _____
    least   greatest

21 3,053   1,635   1,247   2,503

    _____   _____   _____   _____
    least   greatest

Contents

Chapter Review

Complete each number pattern.
Draw a number line to help you.

22 4,239 5,239 _____ 7,239 _____

23 6,024 _____ _____ 5,994 5,984

24 8,617 _____ 8,817 8,917 _____

ound each number to the nearest ten.

25 67

_____

26 124

_____

27 991

_____

28 3,095

_____

Round each number to the nearest hundred.

29 79

_____

30 317

_____

31 8,949

_____

32 3,156

_____

Chapter Review

Name: _____ Date: _____

Add by making 5 or 10.

1 $7 + 6 =$ _____

2 $5 + 3 =$ _____

3 $6 + 9 =$ _____

4 $7 + 5 =$ _____

Add each set of numbers.

5 $3 + 2 + 5 =$ _____

6 $6 + 1 + 4 =$ _____

7 $4 + 8 + 2 =$ _____

8 $7 + 6 + 3 =$ _____

Chapter Review

Add each pair of numbers mentally.
Draw number bonds to help you.

16 $27 + 62 =$ _____

17 $47 + 86 =$ _____

18 $36 + 96 =$ _____

19 $94 + 98 =$ _____

Add.

20
$$
\begin{array}{r}
3\ 1\ 2 \\
+\quad 6\ 5 \\
\hline
\end{array}
$$

21
$$
\begin{array}{r}
5\ 2\ 9 \\
+1\ 3\ 6 \\
\hline
\end{array}
$$

22
$$
\begin{array}{r}
9,\ 0\ 0\ 8 \\
+\quad 5\ 7\ 5 \\
\hline
\end{array}
$$

23
$$
\begin{array}{r}
4,\ 5\ 0\ 0 \\
+3,\ 7\ 0\ 0 \\
\hline
\end{array}
$$

24
$$
\begin{array}{r}
1,\ 0\ 7\ 8 \\
+\quad 8\ 6\ 7 \\
\hline
\end{array}
$$

25
$$
\begin{array}{r}
7,\ 6\ 8\ 5 \\
+1,\ 8\ 8\ 3 \\
\hline
\end{array}
$$

Chapter Review

Add. Show your work.

26 $905 + 54 =$ _____

27 $242 + 439 =$ _____

28 $516 + 196 =$ _____

29 $5,823 + 66 =$ _____

30 $6,725 + 2,805 =$ _____

31 $2,573 + 1,989 =$ _____

32 Add 4,283 and 2,974.

_____

33 Add 5,946 and 1,999.

_____

34 Find the sum of 6,213 and 2,418. _____

Solve. Draw a bar model to help you.
Then, use rounding to check that your answer is reasonable.

35 Eric sold 1,950 boxes of muffins during the school fair.
Clara sold 1,520 more boxes of muffins than Eric.
How many boxes of muffins did they sell in all?

36 Tiana bought a sandwich for $17.99 and a glass of juice
for $5.60. She spent another $10.25 on a waffle.
How much did she spend in all?

Chapter Review

Assessment Prep

Answer each question.

37 Which expression could be used to find the value of 326 + 547?

    A 3 + 5 + 2 + 4 + 6 + 7

    B 30 + 50 + 20 + 40 + 6 + 7

    C 300 + 500 + 2 + 4 + 6 + 7

    D 300 + 500 + 20 + 40 + 6 + 7

38 There are 5,478 apples and 2,615 oranges at the store.
How many apples and oranges are at the store in all?

39 Gabrielle folded 253 paper cranes.
Martín folded 174 more paper cranes than Gabrielle.
How many paper cranes did Martín fold?

Chapter Review

Name: _____ Date: _____

Subtract each pair of numbers mentally.
Use number bonds to help you.

1 87 – 62 = _____

2 53 – 11 = _____

3 65 – 27 = _____

4 92 – 44 = _____

Subtract. Show your work.

5 457 – 233 = _____

6 896 – 297 = _____

7 4,368 – 546 = _____

8 7,134 – 2,857 = _____

Chapter Review

9 Subtract 427 from 821. _____   10 Subtract 695 from 6,304. _____

11 The difference between 1,981 and 5,000 is _____.

12 The difference between 7,200 and 2,305 is _____.

Solve. Draw bar models to help you.
Then, use rounding to check if your answer is reasonable.

13 A piano costs $4,770.
    An organ costs $3,250 less than the piano.
    Find the total cost of the piano and the organ.

Chapter Review

14 A school prepared 9,000 red and green goody bags in all.
There were 3,845 red goody bags.
How many more green goody bags than red goody bags
were there?

15 Aubrey and Wyatt saved the same amount of money.
Wyatt bought a bag for $9.14 and had $16.25 left.
Aubrey bought a book and had $19.51 left.
How much did the book cost?

Chapter Review

Assessment Prep

Answer each question.

16 A class of students raised $1,000 for charity.
Tyler raised $28.
Sara raised $67.

Part A
How much money did the rest of the class raise for the charity?

Part B
Gabriel raised $5 less than Tyler.
How much more money did Sara raise than Gabriel?

Chapter Review

17 Ms. Kim bought some nuts and raisins.
She bought 1,425 grams of nuts and 1,098 grams of raisins.
How much greater is the mass of the nuts than the mass of
the raisins?

18 There were 2,800 fruit bars on a shelf at a store.
1,855 of the fruit bars were sold.
The store then put up another 738 fruit bars on the shelf.
How many fruit bars were on the shelf in the end?

Name: _____

Basic Multiplication

11 ×2	11 ×4	9 ×8	4 ×9	5 ×6	9 ×6	2 ×2	8 ×5	9 ×4	7 ×6
10 ×9	3 ×7	3 ×8	11 ×9	5 ×9	6 ×7	9 ×7	7 ×2	9 ×5	3 ×5
3 ×3	4 ×5	3 ×4	8 ×3	11 ×5	2 ×5	4 ×2	5 ×8	2 ×6	11 ×3
4 ×7	11 ×6	5 ×3	5 ×7	4 ×8	6 ×8	3 ×2	9 ×3	8 ×4	6 ×4
7 ×3	10 ×6	2 ×9	7 ×9	8 ×8	6 ×2	7 ×4	4 ×3	2 ×7	6 ×9

Time: _____ minutes   **Score:** _____ out of 50

Basic Multiplication

4 ×6	6 ×8	4 ×2	3 ×5	2 ×8	6 ×2	8 ×7	2 ×4	7 ×7	5 ×7
2 ×9	8 ×9	8 ×6	8 ×2	4 ×3	9 ×5	9 ×9	9 ×4	6 ×5	4 ×9
4 ×4	4 ×4	5 ×3	8 ×8	5 ×2	3 ×4	3 ×3	6 ×6	7 ×6	6 ×3
2 ×3	8 ×4	3 ×8	5 ×8	5 ×5	7 ×5	5 ×6	9 ×8	3 ×2	
9 ×7	4 ×5	2 ×7	9 ×3	4 ×8	2 ×5	3 ×9	5 ×3	5 ×9	

Time: _____ minutes   **Score:** _____ out of 50

Chapter Review

6 157 × 6 = _____   7 324 × 8 = _____

Assessment Prep

Answer each question.

8 Select the **three** equations that are true.

A 57 × 8 = 456

B 108 × 3 = 324

C 62 × 4 = 188

D 233 × 7 = 1,631

E 498 × 6 = 2,948

9 Which **two** ways show how to find the value of 8 × 300? Select the **two** correct answers.

A 8 × 3

B 3 × 100

C 8 × 3 × 100

D 8 groups of 3 tens

E 8 groups of 3 hundreds

10 465 × 9 = _____

Chapter Review/Test

Vocabulary
Choose the correct word.

1. When you _____ 4 tens by 3, you get 12 tens.

2. When you _____ 12 tens, you get 1 hundred and 2 tens.

3. When you multiply numbers, the answer is the _____.

Concepts and Skills
Find the missing numbers.

4. $6 \times 5 = 30$
   So, $5 \times 6 = $ _____

5. $8 \times 40 = 8 \times$ _____ tens
   $ = $ _____ tens
   $ = $ _____

6. $9 \times 200 = $ _____ $\times$ _____ hundreds
   $ = $ _____ hundreds
   $ = $ _____

Multiply.

7.
$$\begin{array}{r} 1\,2 \\ \times \quad 4 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 4\,8 \\ \times \quad 2 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 7\,1 \\ \times \quad 2 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 8\,8 \\ \times \quad 5 \\ \hline \end{array}$$

11
$$\begin{array}{r} 134 \\ \times 2 \\ \hline \end{array}$$

12
$$\begin{array}{r} 303 \\ \times 2 \\ \hline \end{array}$$

13
$$\begin{array}{r} 124 \\ \times 3 \\ \hline \end{array}$$

14
$$\begin{array}{r} 203 \\ \times 4 \\ \hline \end{array}$$

15
$$\begin{array}{r} 83 \\ \times 3 \\ \hline \end{array}$$

16
$$\begin{array}{r} 261 \\ \times 3 \\ \hline \end{array}$$

17
$$\begin{array}{r} 297 \\ \times 3 \\ \hline \end{array}$$

18
$$\begin{array}{r} 236 \\ \times 4 \\ \hline \end{array}$$

Problem Solving

Solve.

19 Martin has 43 tricycles. How many wheels do the tricycles have in all?

20 There are 4 theaters. Each theater has 249 seats.
How many seats are there in all?

$6\overline{)608}$ $7\overline{)59}$ $6\overline{)634}$ $8\overline{)19}$

$2\overline{)485}$ $2\overline{)63}$ $8\overline{)612}$ $8\overline{)47}$

DMS

$5\overline{)75}$ $7\overline{)70}$ $7\overline{)966}$ $9\overline{)738}$

$8\overline{)848}$ $3\overline{)48}$ $4\overline{)936}$ $6\overline{)258}$

Chapter Review

Name: _____ Date: _____

Solve. Draw bar models to help you.

1 Diego has 126 toy soldiers.
   Emilia has twice as many toy soldiers as Diego.
   How many toy soldiers do they have in all?

2 Callia has 27 fiction books and 13 non-fiction books.
   She displays the books equally onto 5 shelves.
   How many books are there on each shelf?

Chapter Review

3 There were 51 children at a party.
A clown brought some balloons to the party.
He burst 15 balloons and gave the remaining to the children.
How many balloons did he bring if each child received 3 balloons?

Assessment Prep

Answer each question.

4 Which three statements can be represented by the expression
18 ÷ 3?

    A Cole sorts 18 pens into bundles of 3 pens each.

    B Lucia exchanged 18 tickets for 3 similar prizes at the carnival.

    C 3 out of 18 birds on a tree flew away.

    D Mr. Peterson divided 18 meatballs equally among his
       3 children.

    E Ms. Diaz buys 3 boxes of 18 apples each.

5   Ms. Watson had 3 boxes of oranges.
    There were 12 oranges in each box.
    She shared the oranges equally among herself and her 3 friends.
    How many oranges did each friend get?

6 Ms. Patel paid $66 for some bread rolls and pies.
   She bought 8 bread rolls at $3 each.
   The pies cost $7 each.
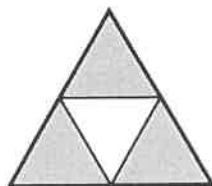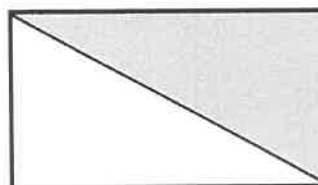   How many pies did Ms. Patel buy?
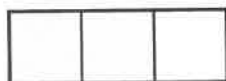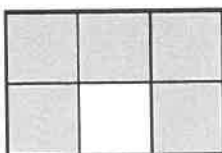
Chapter Review

Name: _____ Date: _____

Answer each question.

1   What fraction of each shape is not shaded?

2   What fraction of each shape is shaded?
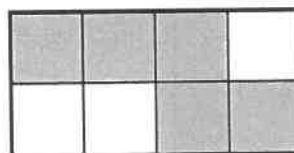
Chapter Review

Fill in the missing fraction.

8

$3 \text{ wholes} = \dfrac{\square}{\square}$

Shade each model to show the given fraction.
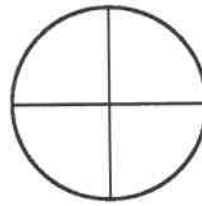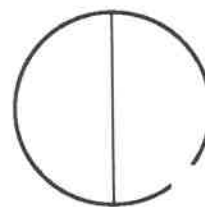**Then, match the equivalent fractions.**

9
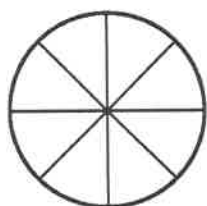
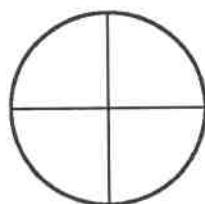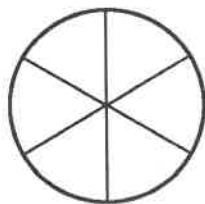$\dfrac{2}{8}$ $\dfrac{2}{3}$ $\dfrac{3}{4}$ $\dfrac{1}{2}$
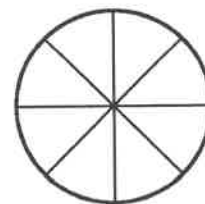
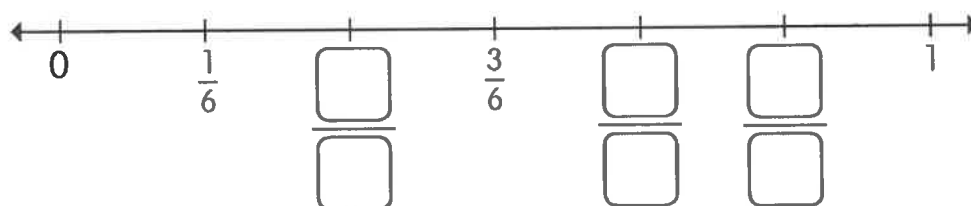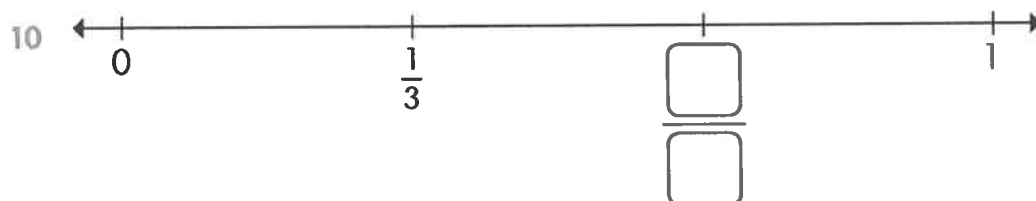$\dfrac{2}{4}$ $\dfrac{4}{6}$ $\dfrac{1}{4}$ $\dfrac{6}{8}$
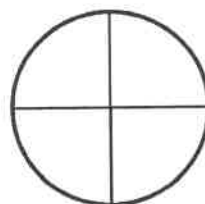
Fill in each missing fraction on the number lines.
Then, write the equivalent fractions.

10

Number line from 0 to 1, with marks at $\frac{1}{3}$ and $\boxed{} \over \boxed{}$

Number line from 0 to 1, with marks at $\frac{1}{6}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{3}{6}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{\boxed{\ }}{\boxed{\ }}$

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

$$\frac{\boxed{\ }}{3} = \frac{4}{\boxed{\ }}$$

Number line from 0 to 1, with mark at $\frac{1}{\boxed{\ }}$

Number line from 0 to 1, with marks at $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{2}{6}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{5}{6}$

Number line from 0 to 1, with marks at $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{2}{8}$, $\frac{3}{8}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{\boxed{\ }}{\boxed{\ }}$, $\frac{7}{8}$

$$\frac{1}{\boxed{\ }} = \frac{\boxed{\ }}{6} = \frac{4}{\boxed{\ }}$$

Complete.

9

$$\frac{1}{2} = \frac{}{4} = \frac{}{}$$
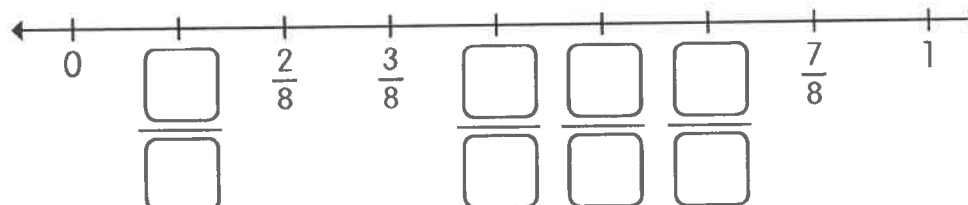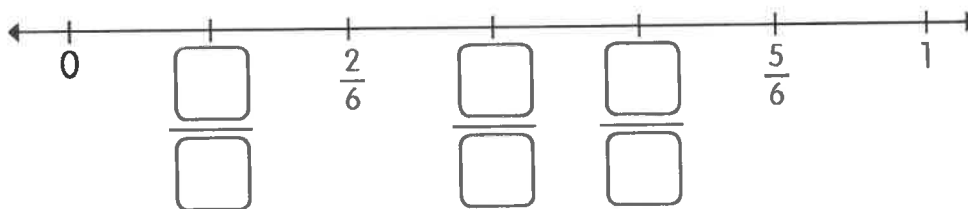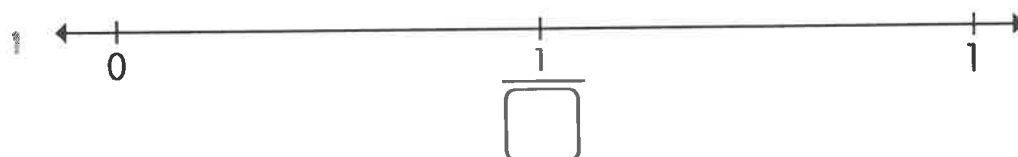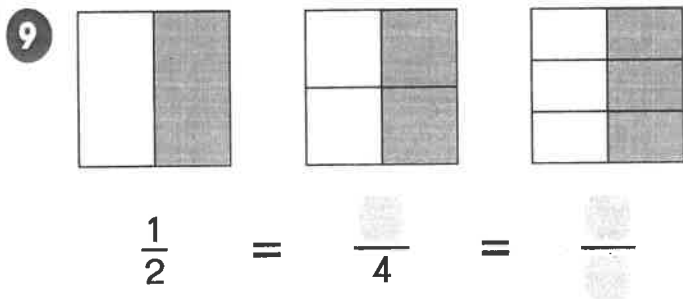
Find equivalent fractions.

10 $\frac{3}{4} = \frac{}{8} = \frac{}{12}$

11 $\frac{2}{3} = \frac{}{6} = \frac{}{9}$

Simplify the fraction.

12 $\frac{8}{12} = \frac{}{} = \frac{}{}$

Compare fractions.

13 $\frac{2}{3}$ and $\frac{2}{4}$

    ___ is greater than ___ .

14 $\frac{1}{3}$ and $\frac{1}{4}$

    ___ is less than ___ .

Find equivalent fractions. Then, order the fractions from least to greatest.

15 $\frac{1}{2} =$ ___ $\frac{2}{3} =$ ___ $\frac{1}{4} =$ ___
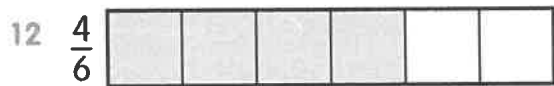
___ , ___ , ___

least

Chapter Review

Compare each pair of fractions. Write < or >.

12 $\frac{4}{6}$

$\frac{5}{6}$

$\frac{4}{6}$ $\frac{5}{6}$

13 $\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{2}$ $\frac{1}{4}$

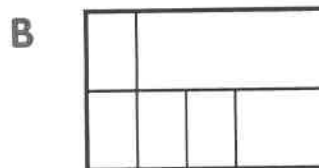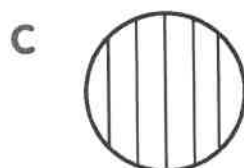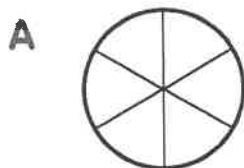14 $\frac{3}{4}$

$\frac{3}{8}$

$\frac{3}{4}$ $\frac{3}{8}$

Assessment Prep

Answer each question.

15 Which shape is divided equally such that each part is $\frac{1}{6}$ of the shape?
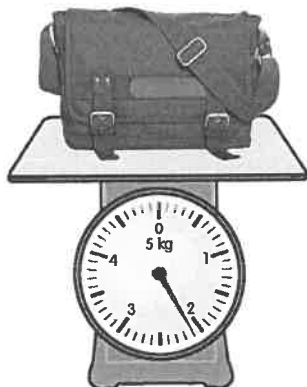Select the **two** correct answers.

A

B

C

D

Chapter Review

Name: _____ Date: _____

Find the mass of each item.

1

_____ g

2

_____ kg _____ g

Estimate the capacity of each of the following.
Write more or less in each blank.

3 The capacity of a teaspoon is _____ than 1 liter.

4 The capacity of a barrel is _____ than 1 liter.

5 The capacity of a soup bowl is _____ than 1 liter.

6 The capacity of a swimming pool is _____ than 1 liter.

Find the volume of liquid in the bottle.

7
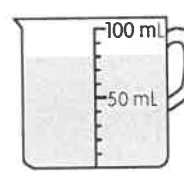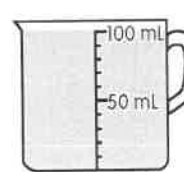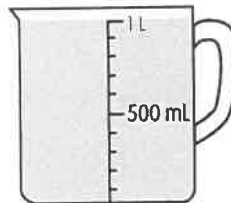
There are _____ milliliters of oil in the bottle.

Write the capacity in liters and milliliters.

8   The capacity of this kettle
is 1,800 milliliters.

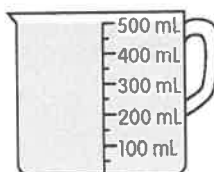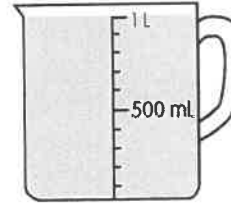1,800 mL = _____ L _____ mL

Solve. Draw a bar model to help you.

9   Valery's bag weighs 2,700 grams.
Brianna's bag weighs 3,100 grams.
What is the total mass of their bags?
Give your answer in kilograms and grams.

10   Mr. Wright has 9 bottles of oil.
Each bottle contains 590 milliliters of oil.
How much oil does Mr. Wright have?
Give your answer in liters and milliliters.

13 A pot contains 2 liters 650 milliliters of soup.
    How many milliliters of soup does the pot contain?
    Enter your answer in the space provided.

14 There are 6 kilograms 200 grams of rice in a container.
    Ms. Reyes uses 900 grams of the rice.
    How many grams of rice are left in the container?
    Enter your answer in the space provided.

Chapter Review

Name: _____ Date: _____

Write the time on each clock using past or to.

1   The time is _____.
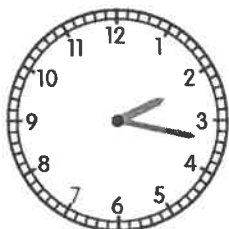
2   8:52   The time is _____.

Write each time in a different way using A.M. or P.M.

3   23 minutes past 11 in the evening is _____.

4   3 minutes to 3 in the morning is _____.

Write each time in minutes.

5   2 h 40 min = _____ min

6   3 h 6 min = _____ min

7   4 h 18 min = _____ min

Write each time in hours and minutes.

8   98 min = _____ h _____ min

9   207 min = _____ h _____ min

10   360 min = _____ h _____ min

Solve. Draw a timeline to help you.

11   Jessica swam from 5:25 P.M. to 6:57 P.M. on Monday.
On Tuesday, she swam 30 minutes longer than on Monday.
How long did she swim for on Tuesday?

12   Madelyn left her house at 10:27 A.M.
She passed the library 45 minutes later.
She continued traveling and reached the mall at noon.
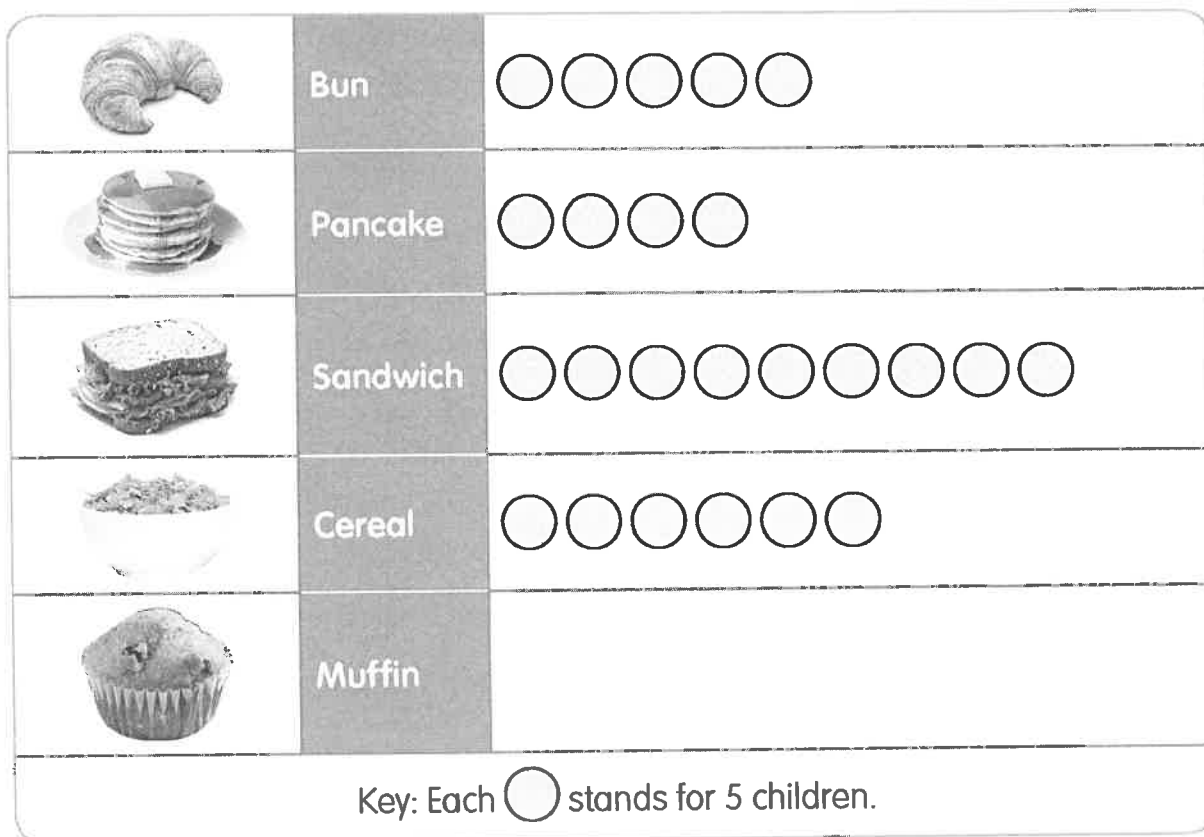How long did she take to travel from the library to the mall?

Chapter Review

Name: _____ Date: _____

Use the data in the picture graph to answer each question.

The picture graph shows the types of food that a group of children had for breakfast.

Type of Breakfast Food

	Bun	○○○○○
	Pancake	○○○○
	Sandwich	○○○○○○○○
	Cereal	○○○○○○
	Muffin	

Key: Each ○ stands for 5 children.

1 Twice as many children had muffins as pancakes for breakfast. Complete the picture graph.

2 _____ children had buns for breakfast.

3 45 children had _____ for breakfast.
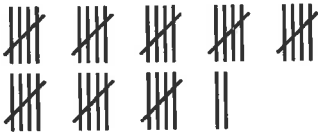
4 The greatest number of children had _____ for breakfast.

5   The least number of children had _____ for breakfast.

6   _____ more children had muffins than buns for breakfast.

7   _____ children were surveyed in all.

Complete the tally chart and bar graph.
Then, answer each question.

Constance took a walk in a park and saw 5 types of insects.
She recorded the number of each type of insect she saw in a tally chart.
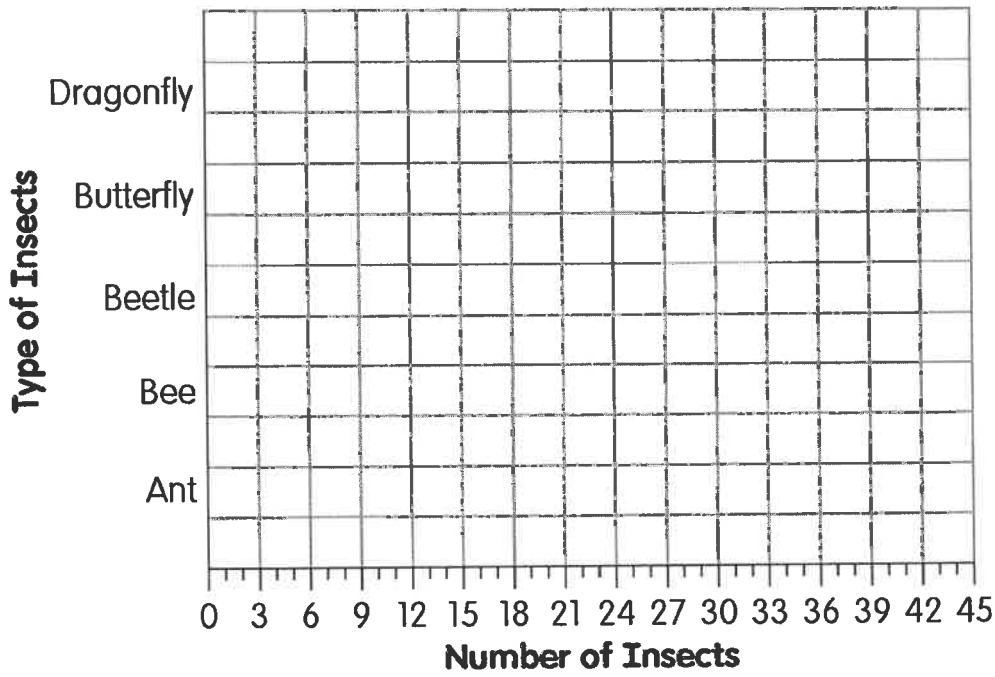
8   **Insects Seen at the Park**

Type of Insects	Tally	Number of Insects
Ant	卌 卌 卌 卌 卌 卌 卌 卌 ‖	
Bee	卌 卌 卌 卌 卌	
Beetle	卌 卌 卌 卌 卌 ‖‖	
Butterfly		33
Dragonfly		25

Chapter Review

9

Insects Seen at the Park

Type of Insects

Dragonfly

Butterfly

Beetle

Bee

Ant

0 3 6 9 12 15 18 21 24 27 30 33 36 39 42 45

Number of Insects

10 Constance saw the greatest number of _____ at the park.

11 She saw the same number of _____ and _____ .

12 She saw 9 more _____ than butterflies.

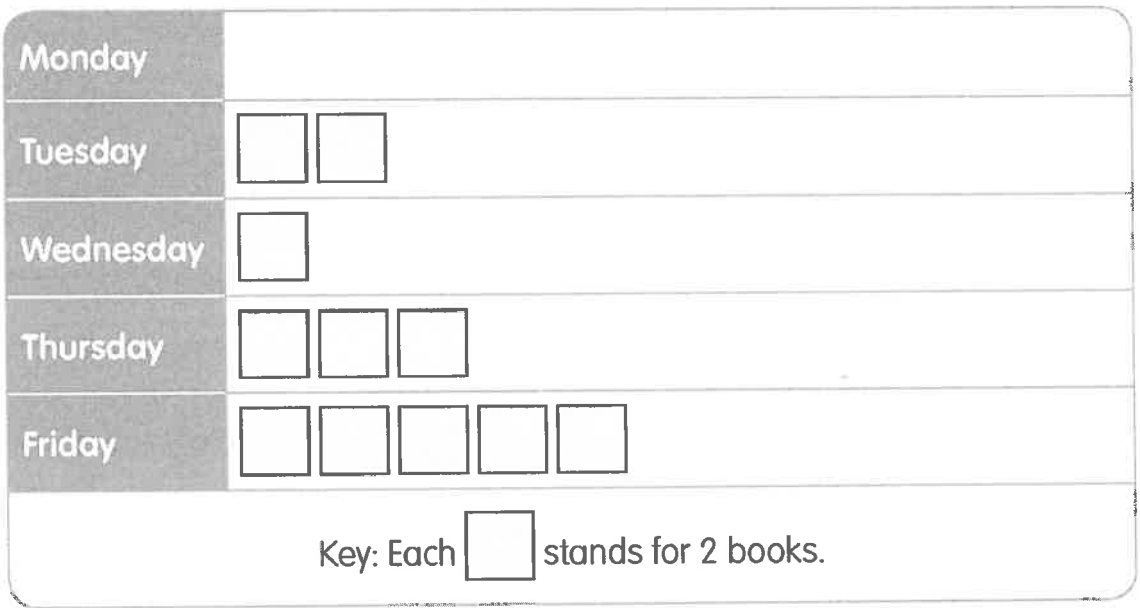13 She saw a total of _____ butterflies and beetles.

14 She saw _____ insects in all.

Assessment Prep

Answer each question.

27 Paige's mother gave her a sticker for every 2 books read each day. She put them on a picture graph as shown below. The stickers for the books read on Monday were not put on the graph.

Monday	
Tuesday	☐ ☐
Wednesday	☐
Thursday	☐ ☐ ☐
Friday	☐ ☐ ☐ ☐ ☐

Key: Each ☐ stands for 2 books.

Use the data in the picture graph to answer the question.
Paige read 36 books in all during the five days.
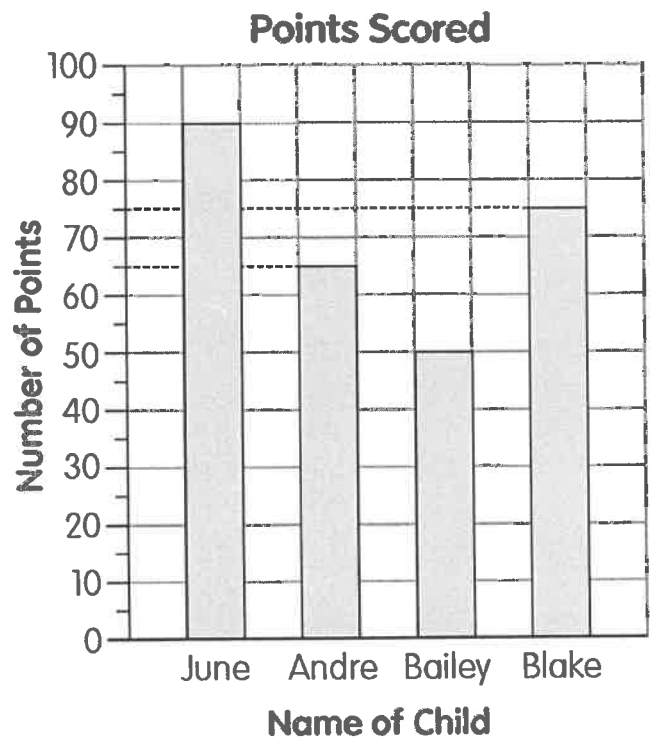How many books did Paige read on Monday?

A 7

B 12

C 14

D 25

28 The bar graph shows the number of points four children scored in a quiz.

Points Scored

Use the data in the bar graph to answer the question.
Who scored more than 70 points?
Choose the **two** correct answers.

A June

B Andre

C Bailey

D Blake
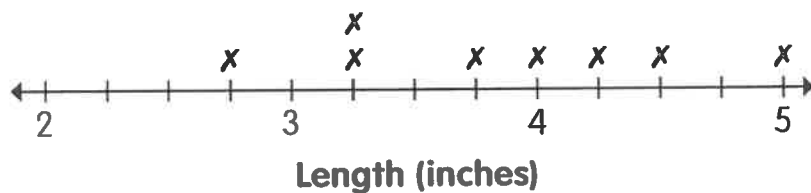
29 Rodrigo measures the length of 8 pieces of ribbons with a ruler.
The results are shown in the table.

Ribbon	A	B	C	D	E	F	G	H
Length	$3\frac{1}{2}$ in.	5 in.	4 in.	$2\frac{3}{4}$ in.	$3\frac{1}{2}$ in.	$4\frac{1}{4}$ in.	$3\frac{3}{4}$ in.	$4\frac{1}{2}$ in.

Then, Rodrigo made a line plot of the data.

Length (inches)

Explain Rodrigo's mistake.
What should the correct line plot be?
Write your explanation and answer in the space below.

Chapter Review

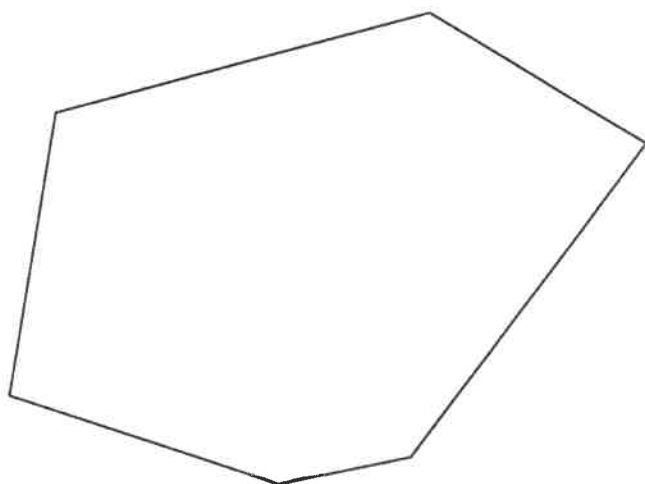Name: _____ Date: _____

Answer the question.

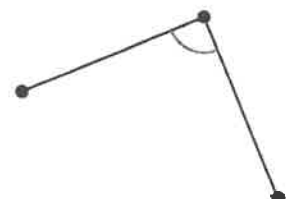1 Mark each angle in the figure.

Compare each angle to a right angle.
Write less than, greater than, or equal to in each blank.

2

This angle is _____ a right angle.

3

This angle is _____ a right angle.

4

This angle is _____ a right angle.