VCA

2nd Grade

Summer Math Packet

Name _____

Parents: Here is a packet of review of what your child learned in 2nd grade. Doing this over the summer will keep their minds sharp and help them recall what they need to know heading into 3rd grade. This is not required but they will receive a special treat if they hand it in when they return to school in the fall.

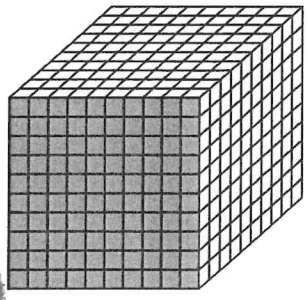
Mrs. Fitz

VCA Math Coach

Name: _____ Date: _____

Write the numbers shown by the base-ten blocks.

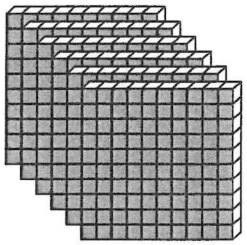
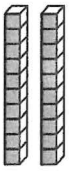
Example

Thousand	Hundreds	Tens	Ones
			
1	0	0	0

one **thousand**

1,000

4.

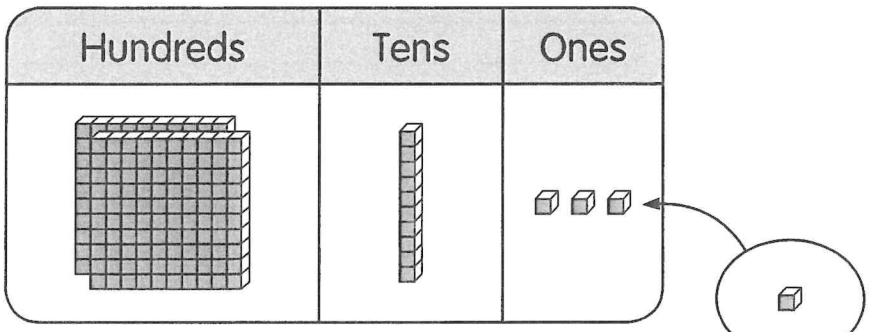
Hundreds	Tens	Ones
		

_____

Name: _____ Date: _____

Count by ones.
Find the missing numbers.

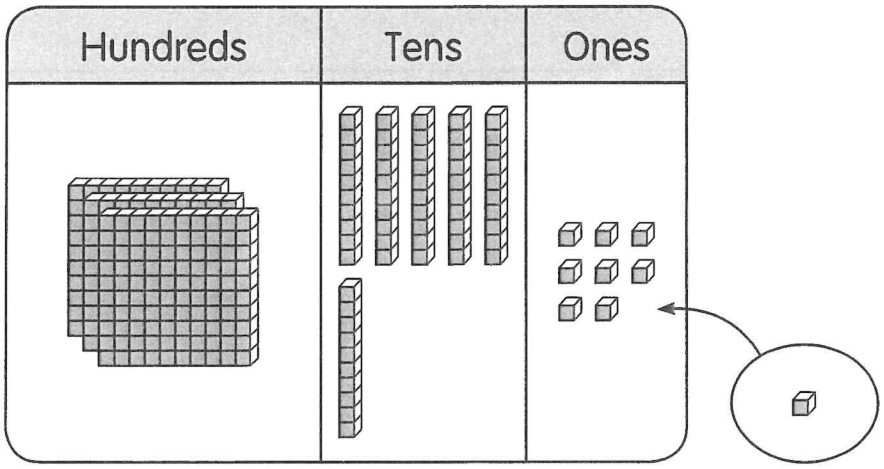
Example



+1 +1

213, 214, 215, 216, 217

10.



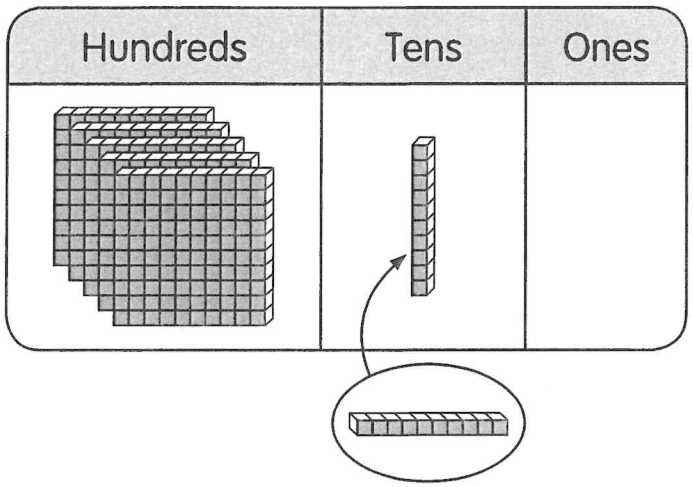
368, _____, _____, _____, _____

11. 821, _____, 823, _____, _____

Name: _____ Date: _____

Count by tens.
Find the missing numbers.

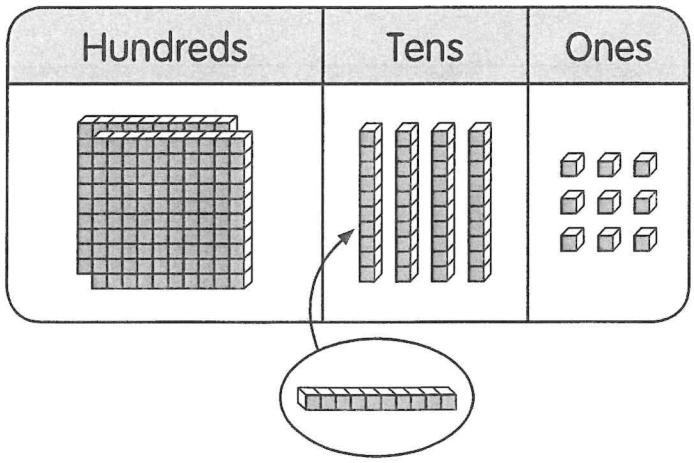
Example



+ 10 + 10

510, 520, 530, 540, 550

12.



249, _____, _____, _____, _____

13. 716, 726, _____, _____, _____

Name: _____ Date: _____

Find the missing numbers.

16. 459, _____, _____, _____, 463

17. 800, _____, 798, _____, _____

18. 973, 972, _____, _____, _____

19. 120, _____, 140, _____, _____

20. 650, _____, _____, _____, 610

21. 433, _____, 413, _____, _____

22. 100, _____, _____, 400, _____

23. 740, 640, _____, _____, _____

24. 534, _____, 334, _____, _____

Name: _____ Date: _____

Fill in the blanks with *hundreds, tens,* or *ones.*

7. In 609,

the digit 6 is in the _____ place.

the digit 0 is in the _____ place.

the digit 9 is in the _____ place.

8. In 852,

the digit 2 is in the _____ place.

the digit 8 is in the _____ place.

the digit 5 is in the _____ place.

Write the number.

9. The digit 5 is in the tens place.
The digit 0 is in the ones place.
The digit 8 is in the hundreds place.

The number is ☐ ☐ ☐.

10. The digit 7 is in the ones place.
The digit 9 is in the hundreds place.
The digit 0 is in the tens place.

The number is ☐ ☐ ☐.

Name: _____ Date: _____

20. A dressmaker has 170 spools of thread.
He buys another 119 spools of thread.
How many spools of thread does the dressmaker have now?

The dressmaker has _____ spools of thread now.

Name: _____ Date: _____

Example

Harry has 185 bookmarks.
His penpal sends him another 25 bookmarks.
How many bookmarks does Harry have now?

185 + 25 = 210

$$\begin{array}{r} {\scriptstyle 1\ 1} \\ 1\,8\,5 \\ +\quad 2\,5 \\ \hline 2\,1\,0 \end{array}$$

Harry has 210 bookmarks now.

9. A fish pond has 217 fish.
Mr. Reynolds adds another 95 fish.
How many fish are there in the pond now?

_____ fish are in the pond now.

Name: _____ Date: _____

Subtract.
Use addition to check your answer.

16.
$$\begin{array}{r} 835 \\ -\ 314 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 467 \\ -\ 156 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 999 \\ -\ 471 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 574 \\ -\ 161 \\ \hline \end{array}$$

Solve.
Show how to check your answer.

Example

Mrs. Grey buys a suitcase for $258.
Mrs. Hudson buys the same suitcase for $216.
How much more did Mrs. Grey pay?

$258 - $216 = $42

$$\begin{array}{r} \$258 \\ -\ \$216 \\ \hline \$42 \end{array} \qquad \begin{array}{r} \$216 \\ +\ 42 \\ \hline \$258 \end{array}$$

Mrs. Grey paid $42 more.

Name: _____ Date: _____

Lesson 2 Subtraction with Regrouping in Tens and Ones

Regroup the tens and ones.
Then subtract.

1. 843 – 425 = ?

843 – 425

= 8 hundreds 4 tens 3 ones
– 4 hundreds 2 tens 5 ones

= 8 hundreds 3 tens _____ ones
– 4 hundreds 2 tens 5 ones

= 4 hundreds _____ tens _____ ones

= _____

843 – 425 = _____

$$\begin{array}{r} 8\ 4\ 3 \\ -\ 4\ 2\ 5 \\ \hline \end{array}$$

Check. ☐

$$\begin{array}{r} +\ 4\ 2\ 5 \\ \hline 8\ 4\ 3 \end{array}$$

2.
$$\begin{array}{r} 8\ 9\ 6 \\ -\ 2\ 5\ 8 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7\ 5\ 8 \\ -\ 5\ 2\ 9 \\ \hline \end{array}$$

4. 321 – 108 = _____

work

5. 647 – 429 = _____

work

Name: _____ Date: _____

Lesson 5 Subtraction Across Zeros

Regroup.
Then subtract.

1. 400 – 283 = ?

400 = 4 hundreds

= 3 hundreds _____ tens

= 3 hundreds _____ tens _____ ones

400 – 283 = _____

$$\begin{array}{r} 4\ 0\ 0 \\ -\ 2\ 8\ 3 \\ \hline \end{array}$$

Check.

$$\begin{array}{r} \square \\ +\ 2\ 8\ 3 \\ \hline 4\ 0\ 0 \end{array}$$

2.
$$\begin{array}{r} 5\ 0\ 0 \\ -\ 3\ 4\ 6 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 3\ 0\ 0 \\ -\ 1\ 7\ 6 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 6\ 0\ 0 \\ -\ 1\ 9\ 5 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 7\ 0\ 0 \\ -\ 3\ 6\ 5 \\ \hline \end{array}$$

6. 800 – 348 = _____

work

7. 900 – 609 = _____

work

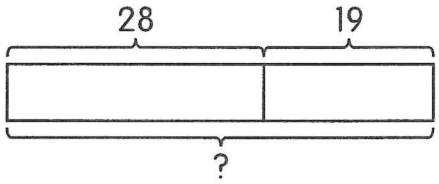
Name: _____ Date: _____

Using Bar Models: Addition and Subtraction

Lesson 1 Using Part-Part-Whole in Addition and Subtraction

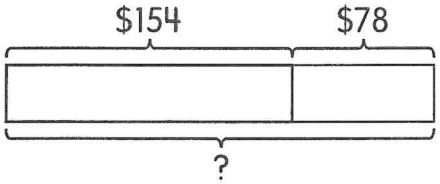
Solve.
Use the bar models to help you.

1. There are 28 boys and 19 girls in a class.
How many students are there in all?



There are _____ students in all.

2. Mrs. Marie gives $154 to Chantel.
She gives $78 to David.
How much money does Mrs. Marie give in all?



Mrs. Marie gives $_____ in all.

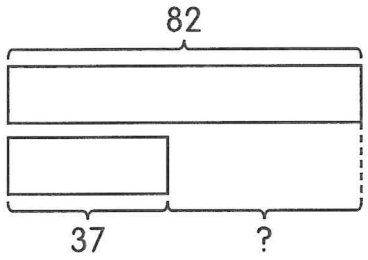
Name: _____ Date: _____

Lesson 3 Meaning of Difference

Find the difference between the numbers.

1. 82 – 37

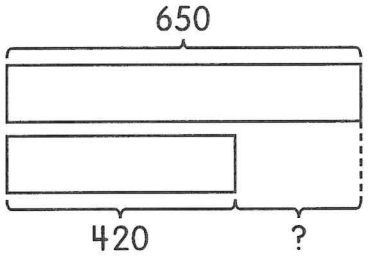
$$\begin{array}{r} 8\ 2 \\ -\ 3\ 7 \\ \hline \square \end{array}$$



The difference between 82 and 37 is _____.

2. 650 – 420

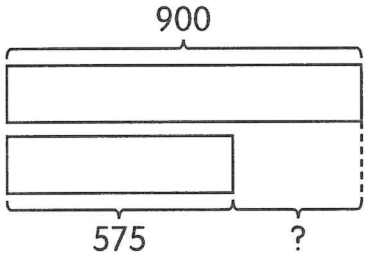
$$\begin{array}{r} 6\ 5\ 0 \\ -\ 4\ 2\ 0 \\ \hline \square \end{array}$$



The difference between 650 and 420 is _____.

3. 900 – 575

$$\begin{array}{r} 9\ 0\ 0 \\ -\ 5\ 7\ 5 \\ \hline \square \end{array}$$



The difference between 900 and 575 is _____.

Name: _____ Date: _____

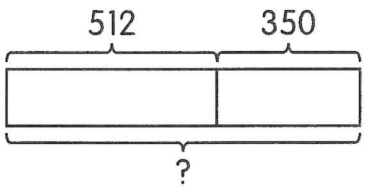
CHAPTER 10 Mental Math and Estimation

Lesson 1 Meaning of Sum

Find the sum of the numbers.

1. 512 and 350

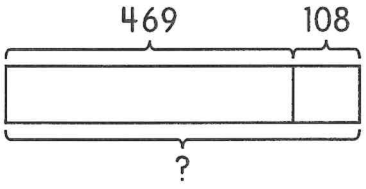
$$\begin{array}{r} 5\ 1\ 2 \\ +\ 3\ 5\ 0 \\ \hline \square \end{array}$$



The sum of _____ and _____ is _____.

2. 469 and 108

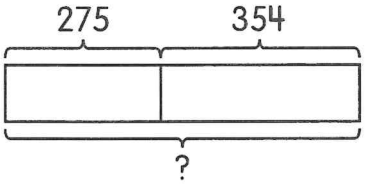
$$\begin{array}{r} 4\ 6\ 9 \\ +\ 1\ 0\ 8 \\ \hline \square \end{array}$$



The sum of _____ and _____ is _____.

3. 275 and 354

$$\begin{array}{r} 2\ 7\ 5 \\ +\ 3\ 5\ 4 \\ \hline \square \end{array}$$

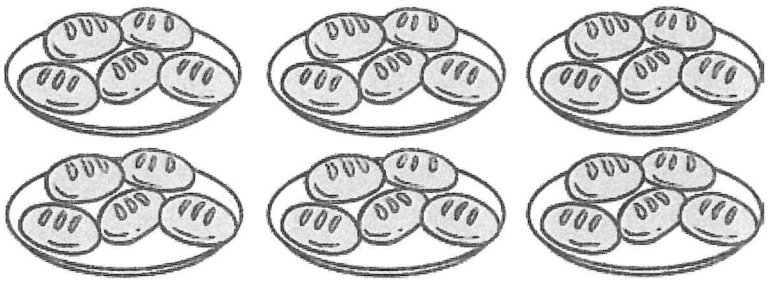


The sum of _____ and _____ is _____.

Name: _____ Date: _____

Solve.

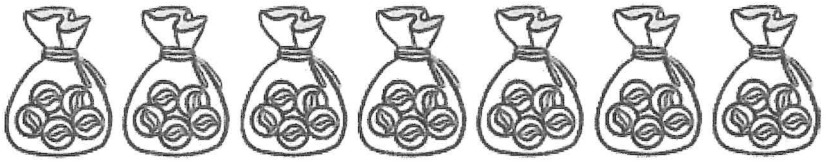
4. Mrs. Hill bakes 5 buns each day.
How many buns does she bake in 6 days?



$6 \times 5 =$ _____

She bakes _____ buns in 6 days.

5. Peter gives marbles to 7 friends.
Each friend gets 5 marbles.
How many marbles does Peter give his friends in all?



_____ × _____ = _____

Peter gives his friends _____ marbles in all.

Name: _____ Date: _____

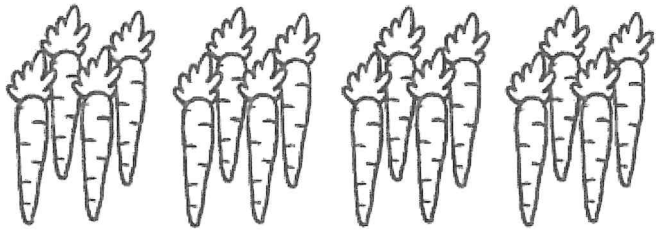
Solve.

3. There are 3 monkeys at the zoo.
Sandra has 9 bananas to feed the monkeys.
She gives each monkey an equal number of bananas.
How many bananas does each monkey get?

_____ ÷ _____ = _____

Each monkey gets _____ bananas.

4. Nathan has 16 carrots.
He gives 4 carrots to each of his pet rabbits.
How many pet rabbits does he have?



_____ ÷ _____ = _____

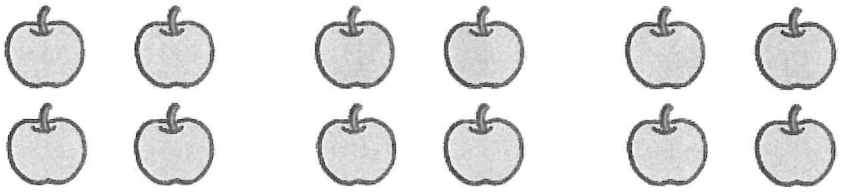
Nathan has _____ pet rabbits.

Name: _____ Date: _____

Lesson 2 How to Divide

Find the number of items in each group.

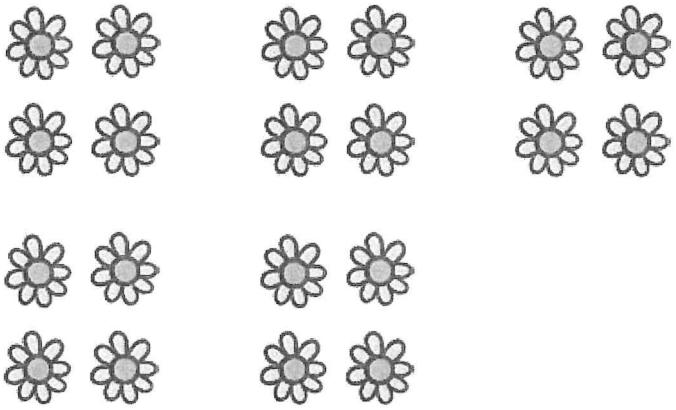
1. Divide 12 apples into 3 equal groups.



12 ÷ _____ = _____

There are _____ apples in each group.

2. Divide 20 flowers into 5 equal groups.



20 ÷ _____ = _____

There are _____ flowers in each group.

Name: _____ Date: _____

Look at the addition and multiplication sentences. Fill in the blanks.

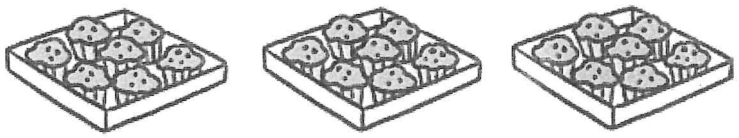
4. $8 + 8 + 8 + 8 = 32$
$4 \times 8 = 32$

Twyla has _____ groups of apples.

Each group has _____ apples.

There are _____ apples in all.

5. $7 + 7 + 7 = 21$
$3 \times 7 = 21$



Louis has _____ groups of muffins.

Each group has _____ muffins.

There are _____ muffins in all.

Name: _____ Date: _____

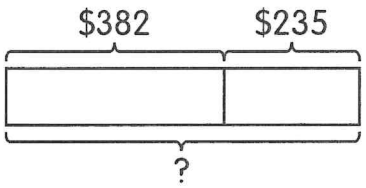
Solve.
Use the bar models to help you.

2. Ivan spends $382 on food.
He spends $235 more on clothes than he does on food.

a. How much does Ivan spend on clothes?

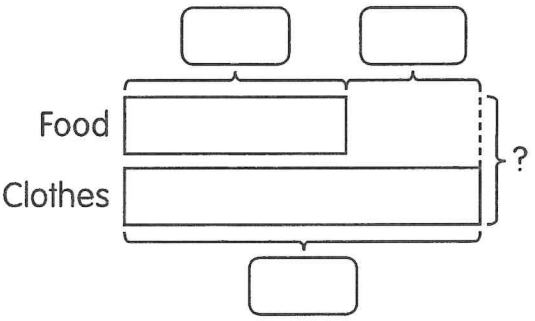
b. How much does Ivan spend in all?

a.



Ivan spends $_____ on clothes.

b.



Ivan spends $_____ in all.

Name: _____ Date: _____

Solve.
Draw bar models to help you.

7. Anna has 68 flowers.
She uses 56 flowers to make a garland.
How many flowers does Anna have now?

She has _____ flowers now.

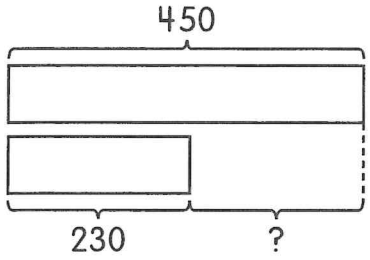
8. There are 210 people in the theater.
Before the show begins, 162 more people come into the theater.
How many people are in the theater now?

There are _____ people in the theater now.

Name: _____ Date: _____

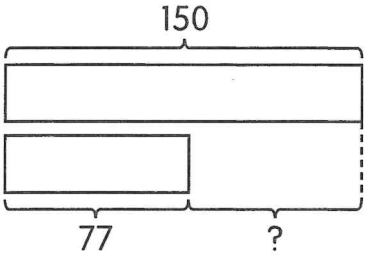
Solve.
Use bar models to help you.

4. Sally sold 450 burgers.
Jenny sold 230 burgers.
Find the difference between the number of burgers they sold.



The difference is _____ burgers.

5. Kaylene baked 150 muffins on Tuesday.
She baked 77 muffins on Thursday.
What is the difference between these two amounts?



The difference is _____muffins.

Name: _____ Date: _____

Write the amount of money.

11. forty-five cents $_____

12. thirty-seven dollars $_____

13. ninety-eight dollars and three cents $_____

Fill in the blanks.

14. $0.06 _____ dollars _____ cents

15. $2.33 _____ dollars _____ cents

16. $10.28 _____ dollars _____ cents

17. $24.74 _____ dollars _____ cents

18. $40.52 _____ dollars _____ cents

Name: _____ Date: _____

Circle the coins that make one dollar.

4.

=

5.

=

Find the value of the coins.
Then write *less than, equal to,* or *more than.*

6.

_____ $1.

7.

_____ $1.

Name: _____ Date: _____

Lesson 3 Real-World Problems: Money

Solve.
Draw bar models to help you.

1. Gary buys a ruler for 13¢ and an eraser for 10¢.
He gives the cashier $1.
How much change does he get?

He gets _____ in change.

2. Mrs. Jimenez has $100.
She spends $40 on clothes, and $15 on food.
How much money does Mrs. Jimenez have left?

Mrs. Jimenez has $_____ left.

Name: _____ Date: _____

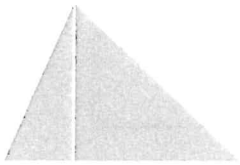
CHAPTER 12

Fractions

Lesson 1 Understanding Fractions

Make a ✓ in the box if the shape is divided into equal parts.

1.



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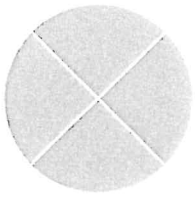

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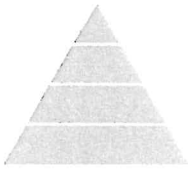

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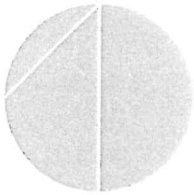

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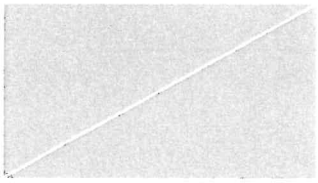

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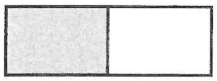
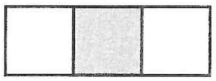
Name: _____ Date: _____

Lesson 2 Comparing Fractions

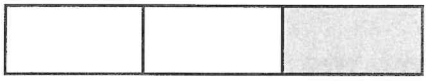
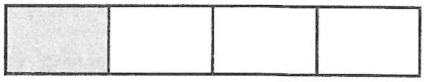
Write the fraction of the shaded part or parts.
Then compare the fractions.

1.  

_____ is shaded. _____ is shaded.

_____ is greater than _____.

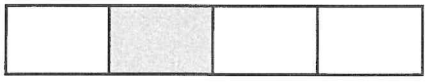
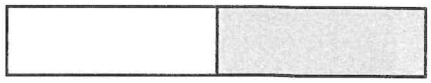
_____ is less than _____.

2.  

_____ is shaded. _____ is shaded.

_____ is greater than _____.

_____ is less than _____.

3.  

_____ is shaded. _____ is shaded.

_____ is greater than _____.

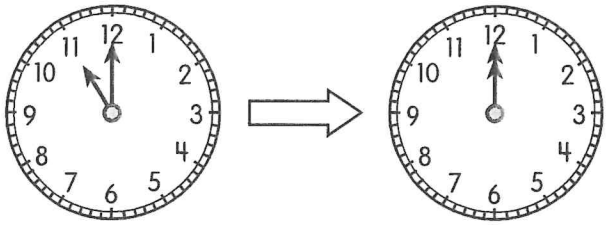
_____ is less than _____.

Name: _____ Date: _____

Lesson 4 Elapsed Time

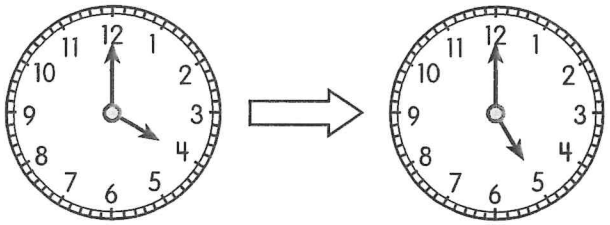
Fill in the blanks with the time.

1.



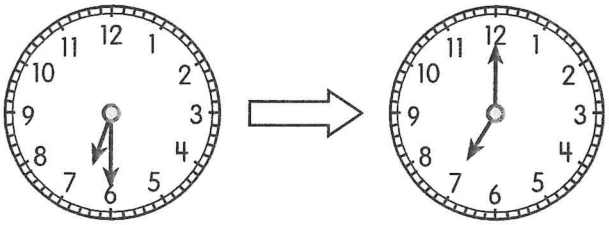
1 hour after 11:00 is _____.

2.



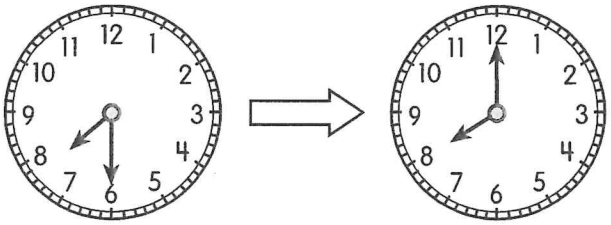
1 hour before 5:00 is _____.

3.



30 minutes after 6:30 is _____.

4.

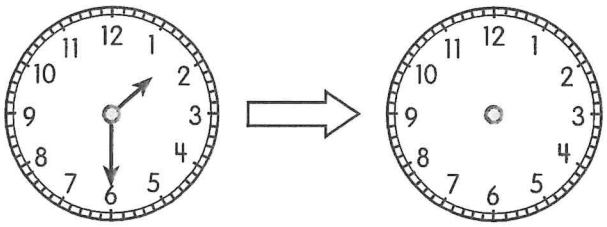


30 minutes before 8:00 is _____.

Name: _____ Date: _____

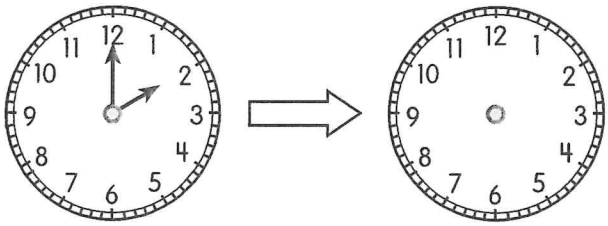
Draw the hands and write the time.

9. Sandra puts a cake in the oven at 1:30 P.M.
The cake takes 30 minutes to bake.



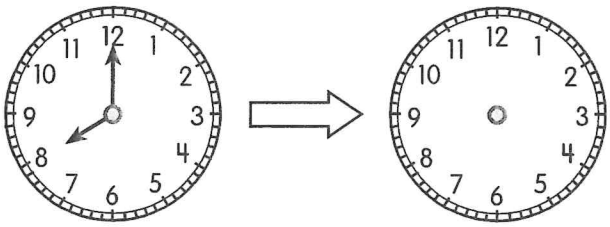
Sandra takes the cake out of the oven at _____ P.M.

10. Joel goes to his football practice at 2:00 P.M.
The football practice lasts for 1 hour.



The football practice ends at _____ P.M.

11. Julian watches a television program at 8:00 P.M.
The program lasts for 1 hour.



The program ends at _____ P.M.

Multiplying by 2 (A)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

2 × 2	12 × 2	5 × 2	11 × 2	1 × 2	10 × 2	7 × 2	6 × 2	9 × 2	3 × 2
4 × 2	8 × 2	2 × 3	2 × 1	2 × 11	2 × 4	2 × 6	2 × 7	2 × 12	2 × 10
2 × 2	2 × 8	2 × 9	2 × 5	9 × 2	2 × 2	12 × 2	2 × 10	3 × 2	2 × 11
6 × 2	2 × 4	2 × 7	8 × 2	2 × 5	2 × 1	8 × 2	2 × 1	2 × 5	6 × 2
2 × 2	12 × 2	11 × 2	2 × 10	9 × 2	4 × 2	3 × 2	2 × 7	8 × 2	2 × 9
5 × 2	2 × 2	2 × 6	2 × 12	7 × 2	2 × 4	2 × 3	10 × 2	1 × 2	2 × 11
10 × 2	2 × 12	3 × 2	7 × 2	2 × 1	2 × 9	11 × 2	2 × 8	2 × 2	6 × 2
2 × 4	5 × 2	2 × 4	10 × 2	2 × 5	3 × 2	2 × 9	6 × 2	1 × 2	2 × 2
12 × 2	2 × 8	2 × 7	2 × 11	6 × 2	4 × 2	2 × 8	9 × 2	2 × 2	5 × 2
11 × 2	2 × 3	2 × 10	2 × 7	1 × 2	12 × 2	10 × 2	1 × 2	2 × 6	2 × 9

Multiplying by 3 (A)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

6 × 3	1 × 3	8 × 3	9 × 3	3 × 3	2 × 3	11 × 3	12 × 3	7 × 3	4 × 3
5 × 3	10 × 3	3 × 11	3 × 4	3 × 6	3 × 8	3 × 1	3 × 9	3 × 5	3 × 7
3 × 10	3 × 3	3 × 2	3 × 12	4 × 3	3 × 1	3 × 10	7 × 3	6 × 3	9 × 3
3 × 12	3 × 5	11 × 3	3 × 3	8 × 3	2 × 3	3 × 5	3 × 12	4 × 3	2 × 3
3 × 3	7 × 3	3 × 6	3 × 1	3 × 10	3 × 8	9 × 3	11 × 3	3 × 7	3 × 3
3 × 9	8 × 3	3 × 10	12 × 3	4 × 3	2 × 3	6 × 3	3 × 11	5 × 3	1 × 3
4 × 3	3 × 2	3 × 11	3 × 12	8 × 3	3 × 7	10 × 3	3 × 5	6 × 3	3 × 1
3 × 3	9 × 3	3 × 4	12 × 3	8 × 3	2 × 3	11 × 3	3 × 5	3 × 10	7 × 3
9 × 3	1 × 3	3 × 6	3 × 3	10 × 3	11 × 3	3 × 2	3 × 1	8 × 3	3 × 3
6 × 3	5 × 3	4 × 3	3 × 12	3 × 7	3 × 9	3 × 12	3 × 3	7 × 3	3 × 9

Multiplying by 5 (A)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

4 × 5	11 × 5	10 × 5	1 × 5	5 × 5	7 × 5	9 × 5	8 × 5	6 × 5	3 × 5
12 × 5	2 × 5	5 × 1	5 × 4	5 × 11	5 × 9	5 × 12	5 × 3	5 × 8	5 × 2
5 × 6	5 × 10	5 × 5	5 × 7	7 × 5	5 × 11	5 × 9	5 × 10	12 × 5	5 × 6
5 × 1	3 × 5	5 × 5	5 × 8	2 × 5	5 × 4	5 × 12	5 × 6	5 × 4	5 × 5
11 × 5	2 × 5	1 × 5	5 × 9	7 × 5	3 × 5	10 × 5	8 × 5	5 × 5	5 × 6
5 × 12	2 × 5	5 × 3	4 × 5	1 × 5	5 × 9	5 × 10	8 × 5	5 × 11	5 × 7
5 × 2	6 × 5	8 × 5	3 × 5	5 × 7	5 × 5	1 × 5	9 × 5	5 × 10	5 × 11
5 × 12	4 × 5	12 × 5	3 × 5	7 × 5	6 × 5	2 × 5	5 × 9	5 × 4	8 × 5
1 × 5	5 × 5	11 × 5	5 × 10	5 × 7	5 × 4	10 × 5	5 × 11	8 × 5	5 × 1
5 × 2	3 × 5	9 × 5	5 × 5	12 × 5	6 × 5	5 × 5	5 × 1	4 × 5	5 × 8