SHADY SIDE
ACADEMY

JUNIOR SCHOOL
400 South Braddock Avenue
Pittsburgh, PA 15221
412-473-4400

June, 2020

Dear Parents,

Congratulations to your child for completing a full year of math learning! The purpose of this packet is to help students maintain the math skills acquired during the year and to avoid the "summer slump". We encourage the students to complete the packet at any pace that is comfortable. While the completion of this packet is not required, it is strongly suggested. We suggest that your child space the problems in the packet out over the 12 weeks of summer for optimal review and reinforcement.

Please encourage your child to devise a personal schedule that is appropriate to sustain his or her learning and practice. It is our hope that students continue to embrace and enjoy the process of mathematics even in the summer months. After each section, please review your child's answers and check for accuracy against the key found on The Junior School website. Doing so will determine areas that may need further purposeful practice.

Please have your child bring the packet to school on the first day of school.

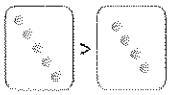
Have a fun summer and see you in the fall!

Sincerely,

The Second Grade Teachers

Math

Vocabulary



5 > 4

5 is greater than 4

Greater Than

Standard Form

657 is the standard form of 657.

Less Than (<)

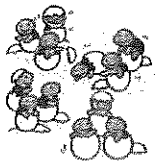
2 < 5

2 is less than 5

Expanded Form

400 + 30 + 2 is the expanded form of 432.

Repeated Addition



You can use repeated addition to find the number of turtles.

3 + 3 + 3 + 3 = 12
Groups of 3 are added 4 times.

Word Form

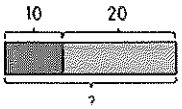
Three hundred twenty-eight is the word form of 328.

Repeated Subtraction

You can use repeated subtraction to find the number of groups.

6 - 2 - 2 - 2 = 0
Groups of 2 are subtracted 3 times.

Bar Model



This is an example of a bar model
Use bar models to help you add and subtract

Review #1

1) Seven hundred six is the _____ form of 706.

2) Answer with > or <.

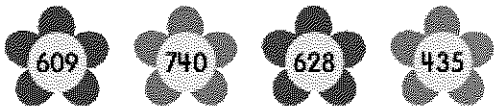
a. 54 ___ 45

b. 936 ___ 923

c. 18 ___ 35

3)

Order the numbers from least to greatest.



_____, _____, _____, _____

least

4) 62 + 524 = _____

5) 235 + 265 = _____

6) Solve. Draw a bar model to help you.

Mr. Sanchez has an 835-page book.
He has read 219 pages.
How many more pages does he have to read?

He has _____ more pages to read.

7) Solve. Draw a bar model to help you.

Adams Elementary School enrolled 785 children in September.
During the year, 156 children left the school.
How many children were enrolled at the end of the year?

There were _____ children.

Complete the number sentences.

8) _____ x 10 = 50

9) _____ ÷ 10 = 4

10) 32 ÷ 4 = _____

11) 4 x 5 = _____

Write the time in words.

12) 5:10 _____

13) 12:35_____

Review #2

1) The word form of 905 is

_____.

Answer with < or >.

2) 674 _____ 249

3) 23 _____ 32

Write the time and A.M. or P.M.

4) Fifteen minutes after two in the afternoon _____

5) Twenty-five minutes after seven in the evening_____

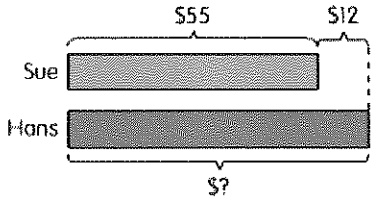
6) Solve. Draw a bar model to help you.

216 children went to Orlando on Saturday.
102 more children went on Sunday than on Saturday.
How many children went to Orlando on Sunday?

_____ children went to Orlando on Sunday.

7) Solve.

Sue has $55.
Hans has $12 more than Sue.
How much money does Hans have?



Hans has _____.

8) Solve. Draw a bar model to help you.

Lee has 528 United States and Singapore stamps.
He has 249 United States stamps.
How many Singapore stamps does he have?

Lee has _____Singapore stamps.

9) Tom has 8 packs of trading cards.
There are 4 cards in each pack.
How many cards does Tom have?

Tom has _____ cards.

Complete the number sentences.

10)____x 3 = 21 **11)**_____ x 5 = 45 **12)**_____x 10=90

Review #3

1) The standard form of 458 is _____.

2) Answer with > or <.

a. 49 ___ 25

b. 304 ___ 403

c. 498 ___ 497

Add to solve.

3) 47 + 62 = _____

4) 395 + 204 = ____

Time

5) What is 1 hour before 5:30a.m.? _____

6) Solve. Draw a bar model to help you solve.

A farmer has 318 sunflower plants.
He has 354 tomato plants.
How many plants does he have in all?

He has _____ plants in all.

7) Add to solve.

257 + 254 =

8) Subtract to solve.

500 – 243 =

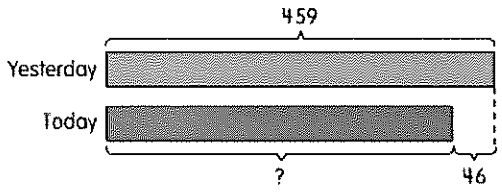
9) Solve. Draw a bar model to help you.

98 boys sign up for a school camp.
154 girls sign up for the camp also.
How many children sign up for the camp in all?

_____ children sign up for camp in all.

10) Solve.

459 children were at the library yesterday.
46 fewer children are at the library today.
How many children are at the library today?



_____ children are at the library today.

Complete the number sentences.

11) 15 ÷ 3 = ___

12) 5 x 6 = ___

13) 7 x 3 = _____

14) 36 ÷ 4 = _____

Review #4

1) Answer with > or <.

a. 739 ___ 824

b. 240 ___ 254

c. 625 ___ 536

2) 123 + 321 = _____

3) 700 – 352 = _____

Time

4) 30 minutes after 6:00 _____

5) 1 hour before 1:00 _____

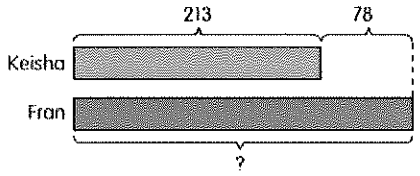
6) Solve. Draw a bar model to help you.

The recycling center collects 363 cans and bottles.
23 of them are bottles.
How many are cans?

_____ are cans.

7) Solve.

Keisha has 213 pins in her collection.
Fran has 78 more pins in her collection.
How many pins does Fran have in her collection?



Fran has _____ pins.

8) Solve. Draw a bar model to help you.

Jordan and Ling have 472 trading cards.
Ling has 178 trading cards.
How many trading cards does Jordan have?

Jordan has _____ trading cards.

Complete the number sentences.

9) 3 x ___ = 15

10) 4 x ___ = 24

11) 100 ÷ 10 = ___

12) 35 ÷ 7 = ___

Review #5

Fill in the missing numbers.

1) 542, 642, _____, 842, _____

2) 876, 866, 856, _____, 836, _____, _____

3) _____ + 43 = 72

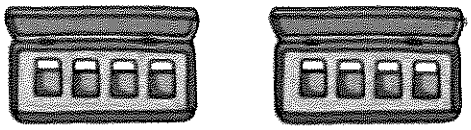
4) 635 – 346 = _____

5) _____ x 8 = 24

6) 483 + 267 = _____

7) 900 – 253 = _____

8) Multiply to solve.



Sandra has 2 pencil cases.
There are 4 erasers in each pencil case.
How many erasers does Sandra have?

_____ × _____ = _____

Sandra has _____ erasers.

9) Use repeated subtraction to solve the division problem below.

12 ÷ 3 = ____

12 – ____ – ____ – ____ – ____ = 0

Subtract groups of three ____ times.

10) Divide.

Divide 27 eggs equally into 3 baskets.

27 ÷ ____ = ____

There are ____ eggs in each basket.

11) Solve. Draw a bar model to help you.

On Sunday, Jan ran 12 miles.
On Tuesday, Jan ran 11 miles.
How many miles did Jan run altogether?

Jan ran _____ miles altogether.

Solve. Draw a bar model to help you.

12) Uncle Dan and Uncle Joe work at a coffee shop.
Uncle Dan works 210 hours.
Uncle Joe works 34 hours less than Uncle Dan.
How many hours does Uncle Joe work?

Uncle Joe works _____ hours.

13) 20 ÷ 5 = ____ x 2

Review #6

1) _____, 75, _____, 125, _____, 175

2) 837 – 23 = _____

3) 25 + 58 = _____

4) Write 438 in expanded form.

_____

5) Five hundred forty-seven is the word form of what number?

_____

6) There are 8 tables in the classroom.
Each table has 4 chairs.
How many chairs are there in all?

There are _____ chairs in all.

7) Solve. Draw a bar model to help you.

Jack collected 64 comic books.
Ella collected 87 comic books.
How many more comic books did Ella collect than Jack?

Ella collected _____ more comic books than Jack.

8) Solve. Draw a bar model to help you.

Shawn put 364 coins in the jar.
Taylor added 284 coins to the jar.
How many coins are in the jar now?

There are _____ coins in the jar.

9) The art teacher shares 24 crayons equally among her students.
Each student gets 4 crayons.
How many students are there?

There are _____ students.

Complete the number sentences.

10) _____ x 5 = 50 ÷ 5 **11)** ____ x 3 = 27 ÷ 3

12)_____ + 2 = 20 ÷ 4 **13)** 30 ÷ 5 = 2 + ____

What time is it?

14) Ten minutes to ten in the evening _____

15) Thirty-five minutes after eleven in the morning_____

Review #7

Fill in the blanks.

1) 4, _____, 12, _____, 20, _____, 28, _____, _____, _____

2) The time is 7:30 a.m. What time will it be 30 minutes later? _____

3) Use repeated addition to solve **5 x 4**

_____ + _____ + _____ + _____ + _____ = _____

Find the sum.

4) 724 + 182 = _____

5) 600 + 293 = _____

Find the difference.

6) 500 – 264 = _____

7) 185 – 96 = _____

Find the product.

8) 7 x 4 = _____

9) 5 x 8 = _____

10) 3 x 3 = _____

Solve. Draw bar models to help you.

11) Tara is in the skipping contest at field day.
She must skip 255 times without stopping.
She has skipped 128 times without stopping.
How many more times must she skip?

She must skip _____ more times.

12) There are 147 fish in a pond.
Fifty of them are black.
The rest are orange.
How many fish are orange?

_____ fish are orange.

13) The paper store receives 528 newspapers in a week.
Ms. Diaz delivers 274 newspapers to local homes.
How many newspapers are **not** delivered?

_____ newspapers are not delivered.

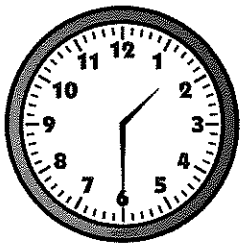
Review #8

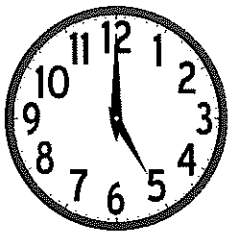
1) Fill in the blanks with numbers.

(a) 204 =_____hundreds_____tens_____ones

(b) 400 + 7 = _____

2) Write < or >: 839___93





3) _____ **4)** _____

Add or subtract

5) (a) 7 4 5
+ 1 3 6

(b) 4 2 1
- 6 8

Solve. Draw bar models to help you on problems 5 and 6.

6) Justin has 243 red marbles. He has 48 more blue marbles than red marbles. How many blue marbles does he have?

He has_____blue marbles.

7) Michael has 290 red and blue marbles altogether. 162 of them are red.

(a) How many blue marbles does he have?

He has _____blue marbles.

(b) How many more red marbles than blue marbles does he have?

He has____more red marbles.

8) Fill in the blanks:

(a) 5 x 3 =_____ (b) 9 x 2 = _____

(c) 7 x 3 =_____ (d) 24 ÷ 3 = _____

(e) 16 ÷ 2 = _____ (f) 9 ÷ 3 = _____

9) Tom put 30 marbles equally into 3 jars. How many marbles are in each jar?

Each jar has_____marbles.

10) Rose saved $3 a week. How many weeks did it take her to get to $18?

It took her _____ weeks.

11) Miss Riscili has a rope that is 18 feet long. She cuts it into equal pieces. Each piece is 2 feet long. How many pieces of rope does she have?

She has _____ pieces.

12) Mrs. Litster buys 2 copies of newspaper each day. How many copies of newspapers does she buy in one week?

Mrs. Litster buys _____ copies of newspaper in a week.

Review #9

1. Fill in the blanks with the missing numbers.

   a. _____ - 18 = 54

   b. 58 +_____= 72

   c. 48 -_____= 19

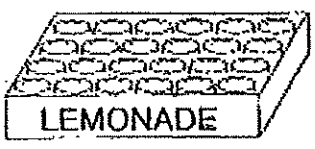
2. Fill in the blanks.

(a) 6 x 4 = __ (b) 5 x 5 = _____

(C) 5 x 8 = _____ (d) 28 ÷ 4 = _____

3. 32 cookies were divided among some children. Each child got 4 cookies. How many children were there?

4. 24 glasses of lemonade were divided among some people. Each person drank 4 glasses of lemonade. How many people were there?



There were _____ people.

5. Mark is reading a book. He has read 12 pages each day for 2 weeks. He still has 36 pages to read.

a. How many pages has he read so far?

He has read _____ pages.

b. How many pages are in the book?

There are _____pages in the book.

Draw bar models to help you solve the problems. Check your work.

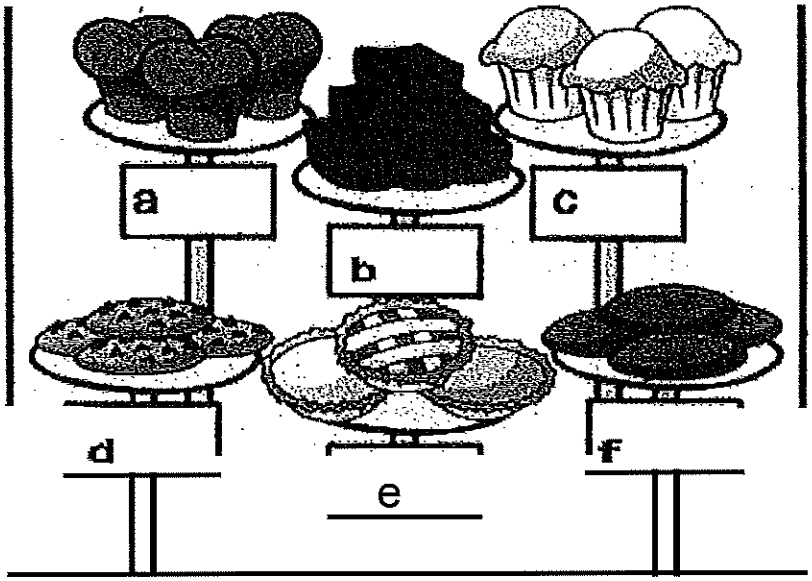
6. Cheryl has 258 rocks in her collection. Jim has 123 more rocks than Cheryl. How many rocks does Jim have?

Jim has _____ rocks.

7. In Store A, 300 video games are sold. This is 126 more games sold than in Store B. How many video games are sold in Store B?

_____ video games are sold in Store B.

8. Write the prices of a single item under each treat.



a. 3 muffins cost $6.

b. 6 brownies cost $24.

c. 3 cupcakes cost $9.

d. 4 chocolate chip cookies cost $16.

e. 3 pies cost $18.

f. 4 oatmeal cookies cost $12.

Review #10

Add or subtract problems 1 & 2 a-c.

a. $643 + 157$

b. $598 + 364$

c. $795 - 286$

2. a. $312 + 54$

b. $333 - 222$

c. $113 + 77 + 201$

3. Fill in the blanks.

a. ● + ● + ● + ● + ● = 40

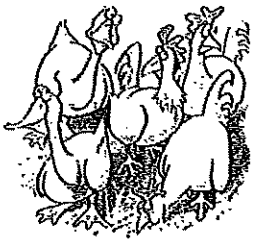
What is ● _____

4. ☺ □ ☺ □ ☺ □ ☺ = 12

☺ = _____

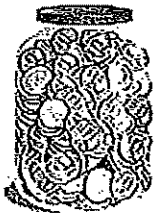
☺ □ =

5. 217 ducks and 360 chickens are on the farm.
How many more chickens than ducks are on the farm?



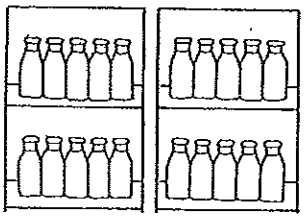
There are _____ more chickens than ducks.

6. Felipe has 653 pennies. He put 275 pennies in a jar.
How many pennies are not in the jar?



_____ pennies are not in the jar.

7. The store has 4 shelves of milk. Each shelf holds 5 bottles.
How many bottles does the store have?



The store has _____ bottles of milk.

8. 30 pandas live in 6 trees. An equal number of pandas live in each tree. How many pandas live in each tree?

_____ pandas live in each tree.

9. Write <, >, or =.

a. 3X4 ___ 3 + 4

b. 5 X4 _____ 20+4

c. 7 X 5 ___ 5 X 7

d. 6 + 6 + 6 ___ 9 X 3

10. **Fill** in the blanks.

a. 5 X 6 =_____

b. 8X2 =_____

c. 7 X 3 = _____

d. 4X6= _____

11. Tim has 4 jars. There are 6 marbles in each jar. How many marbles does Tim have altogether?

Tim has _____ marbles together.

12. 8 X 2 = _____ + 10

Solve. Draw bar models to help you.

13. Kate's grandmother has $245. She spends $78. Then she gives $36 to Kate. How much money does Kate's grandmother have now?

14. Mr. Kim has 78 boxes of apples and 130 boxes of oranges. He sells some boxes of oranges. Now he has 159 boxes or apples and oranges left.

a. How many boxes of apples and oranges did Mr. Kim have at first?
b. How many boxes of oranges did Mr. Kim sell?

Mr. Kim had _____ boxes of apples and oranges.

Mr. Kim sold _____ boxes of oranges.

Answer Key

Review #1

1) Seven hundred six is the word form of 706.

2) Answer with > or <.

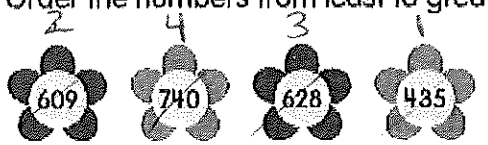
a. 54 > 45

b. 936 > 923

c. 18 < 35

3)

Order the numbers from least to greatest.



435 . 609 . 628 . 740
least

Identify the smallest number. Cross out and number each one before you write your answer. Look at the digit closely.

4) 62 + 524 = 586

5) 235 + 265 = 500

Solve your problems vertically.

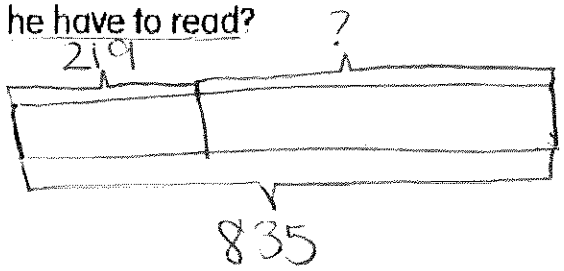
$$\begin{array}{r} 524 \\ +\ 62 \\ \hline 586 \end{array} \qquad \begin{array}{r} 235 \\ +\ 265 \\ \hline 500 \end{array}$$

Do not forget to regroup.

6) Solve. Draw a bar model to help you.

$$\begin{array}{r} {}^{2}\not{8}{}^{1}\not{3}5 \\ -\ 219 \\ \hline 616 \end{array}$$

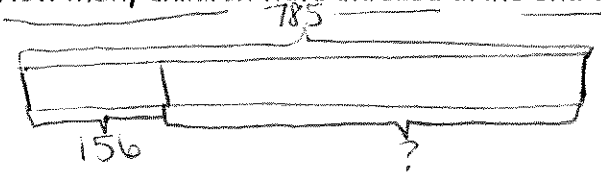
Mr. Sanchez has an 835-page book.
He has read 219 pages.
How many more pages does he have to read?



He has 616 more pages to read.

7) Solve. Draw a bar model to help you.

Adams Elementary School enrolled 785 children in September.
During the year, 156 children left the school.
How many children were enrolled at the end of the year?



$$\begin{array}{r} {}^{7}{}^{1}785 \\ -\ 156 \\ \hline 629 \end{array}$$

There were 629 children.

Complete the number sentences.

8) 5 x 10 = 50

9) 40 ÷ 10 = 4

10) 32 ÷ 4 = 8

11) 4 x 5 = 20

You can use repeated addition or repeated subtraction to help you solve these problems.

Write the time in words.

12) 5:10 Five ten

13) 12:35 Twelve thirty-five

Review #2

1) The word form of 905 is nine hundred five.

Answer with < or >.

2) 674 > 249

3) 23 < 32

Write the time and A.M. or P.M.

4) Fifteen minutes after two in the afternoon 2:15 P.M.

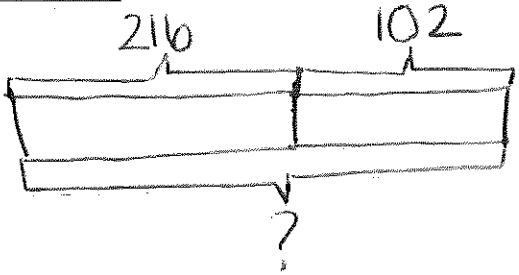
5) Twenty-five minutes after seven in the evening 7:25 P.M.

6) Solve. Draw a bar model to help you.

Tells you that you must add.

216 children went to Orlando on Saturday.
102 more children went on Sunday than on Saturday.
How many children went to Orlando on Sunday?

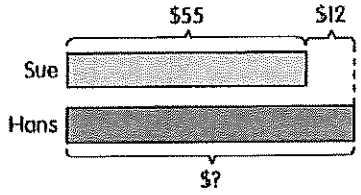
318 children went to Orlando on Sunday.



$$\begin{array}{r} 216 \\ +\ 102 \\ \hline 318 \end{array}$$

7) Solve.

Sue has $55.
Hans has $12 more than Sue.
How much money does Hans have?



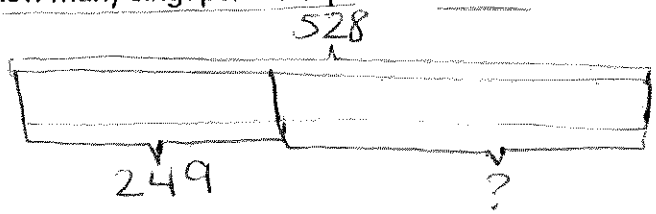
Part + Part = Whole

$$\begin{array}{r} 55 \\ +12 \\ \hline 67 \end{array}$$

Hans has $67.

8) Solve. Draw a bar model to help you.

Lee has 528 United States and Singapore stamps.
He has 249 United States stamps.
How many Singapore stamps does he have?



$$\begin{array}{r} {}^{4}\cancel{5}{}^{11}\cancel{2}8 \\ -\ 249 \\ \hline 279 \end{array}$$

Lee has 279 Singapore stamps.

9) Tom has 8 packs of trading cards.
There are 4 cards in each pack.
How many cards does Tom have?

Your 8 packs represent 8 groups. Each group has 4 cards.

Tom has 32 cards.

Complete the number sentences.

10) 7 x 3 = 21 **11)** 9 x 5 = 45 **12)** 9 x 10=90

Draw pictures or use repeated +/- to solve these problems.

Review #3

1) The standard form of 458 is 458.

2) Answer with > or <.

a. 49 > 25

b. 304 < 403

c. 498 > 497

Add to solve. Line up your numbers vertically.

3) 47 + 62 = 109

$$\begin{array}{r} 47 \\ +\,62 \\ \hline 109 \end{array}$$

4) 395 + 204 = 599

$$\begin{array}{r} 395 \\ +\,204 \\ \hline 599 \end{array}$$

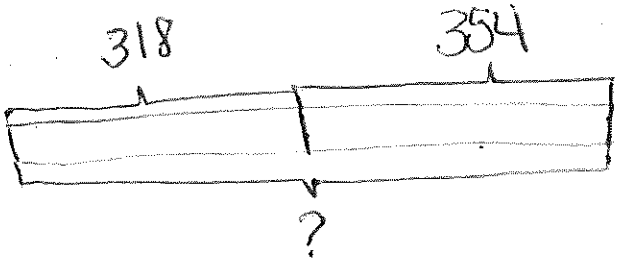
Time

5) What is 1 hour before 5:30a.m.? 4:30a.m.

6) Solve. Draw a bar model to help you solve.

$$\begin{array}{r} {\scriptstyle 1}\,318 \\ +\,354 \\ \hline 672 \end{array}$$

A farmer has 318 sunflower plants.
He has 354 tomato plants.
How many plants does he have in all?



He has 672 plants in all.

7) Add to solve. Line up your numbers vertically.

257 + 254 =

$$\begin{array}{r} 257 \\ +\,254 \\ \hline 511 \end{array}$$

8) Subtract to solve.

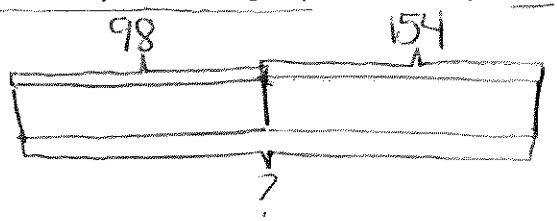
500 – 243 =

257

$$\begin{array}{r} 500 \\ -\ 243 \\ \hline 257 \end{array}$$

9) Solve. Draw a bar model to help you.

98 boys sign up for a school camp.
154 girls sign up for the camp also.
How many children sign up for the camp in all?

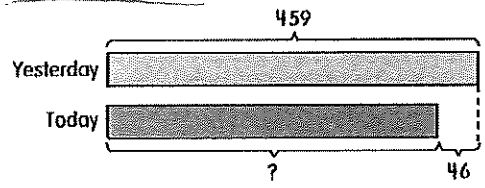


$$\begin{array}{r} 154 \\ +\ 98 \\ \hline 252 \end{array}$$

252 children sign up for camp in all.

10) Solve.

459 children were at the library yesterday.
46 fewer children are at the library today.
How many children are at the library today?



$$\begin{array}{r} 459 \\ -\ 46 \\ \hline 413 \end{array}$$

413 children are at the library today.

Complete the number sentences.

11) 15 ÷ 3 = 5

12) 5 x 6 = 30

13) 7 x 3 = 21

14) 36 ÷ 4 = 9

Draw pictures or use repeated +/- to solve the problems.

Review #4

1) Answer with > or <.

a. 739 < 824

b. 240 < 254

c. 625 > 536

2) 123 + 321 = 444

3) 700 – 352 = 348

Solve vertically.

$$\begin{array}{r} 123 \\ +321 \\ \hline 444 \end{array} \qquad \begin{array}{r} \cancel{7}\cancel{0}\cancel{0} \\ -352 \\ \hline 348 \end{array}$$

Time

4) 30 minutes after 6:00 6:30

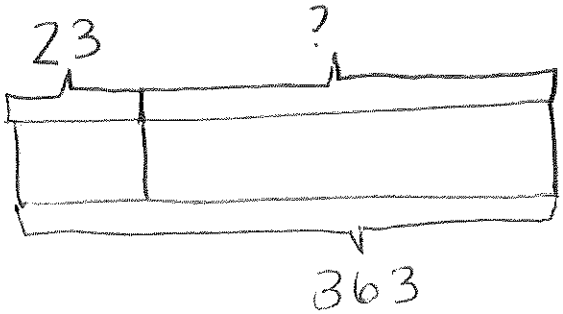
5) 1 hour before 1:00 12:00

6) Solve. Draw a bar model to help you.

The recycling center collects 363 cans and bottles.
23 of them are bottles.
How many are cans?

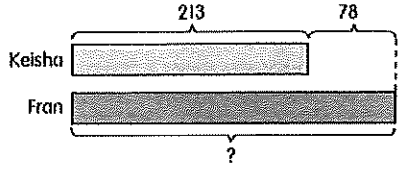
340 are cans.

$$\begin{array}{r} 363 \\ -\ 23 \\ \hline 340 \end{array}$$



7) Solve.

Keisha has 213 pins in her collection.
Fran has 78 more pins in her collection.
How many pins does Fran have in her collection?

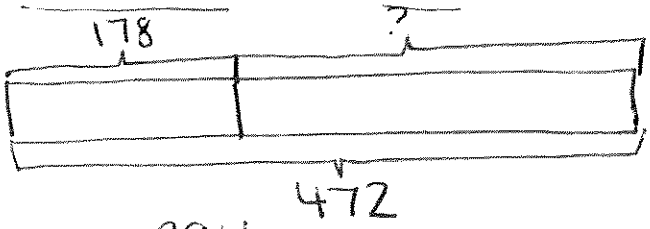


$$\begin{array}{r} {}^{1}213 \\ +\ 78 \\ \hline 291 \end{array}$$

Fran has 291 pins.

8) Solve. Draw a bar model to help you.

Jordan and Ling have 472 trading cards.
Ling has 178 trading cards.
How many trading cards does Jordan have?



$$\begin{array}{r} {}^{3}{}^{16}{}^{1}\cancel{4}\cancel{7}2 \\ -\ 178 \\ \hline 294 \end{array}$$

Jordan has 294 trading cards.

Complete the number sentences.

9) 3 x 5 = 15

10) 4 x 6 = 24

11) 100 ÷ 10 = 10

12) 35 ÷ 7 = 5

You can draw pictures or use repeated +/− to solve these problems,

Review #5

Fill in the missing numbers.

1) 542, 642, 742, 842, 942

2) 876, 866, 856, 846, 836, 826, 816

Look at the pattern. What digit is changing?

3) 29 + 43 = 72

#3- You have the total. So, subtract from your answer and with the other number.

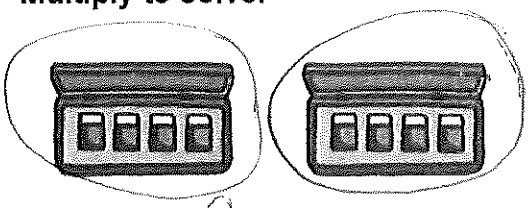
4) 635 – 346 = 289

5) 3 x 8 = 24

6) 483 + 267 = 750

7) 900 – 253 = 647

8) Multiply to solve.



Each pencil case represents a group.

Sandra has 2 pencil cases.
There are 4 erasers in each pencil case.
How many erasers does Sandra have?

2 × 4 = 8

Sandra has 8 erasers.

9) Use repeated subtraction to solve the division problem below.

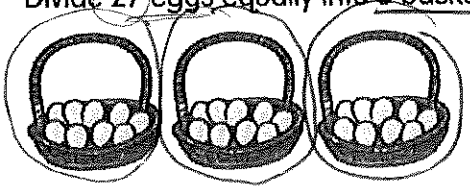
$12 \div 3 =$ 4

$12 - 3 - 3 - 3 - 3 = 0$

Subtract groups of three 4 times.

10) Divide.

Divide 27 eggs equally into 3 baskets.



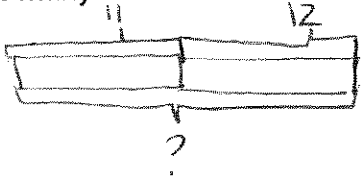
Circle each group. You have 3 groups. Count the eggs.

$27 \div 3 = 9$

There are 9 eggs in each basket.

11) Solve. Draw a bar model to help you.

On Sunday, Jan ran 12 miles.
On Tuesday, Jan ran 11 miles.
How many miles did Jan run altogether?



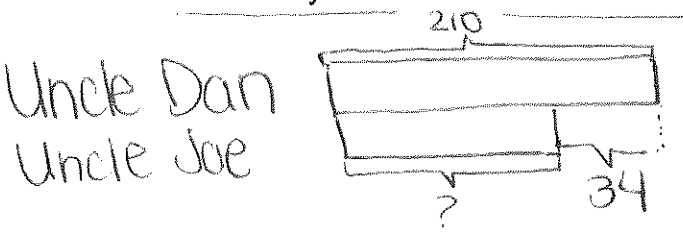
$$\begin{array}{r} 11 \\ +12 \\ \hline 23 \end{array}$$

Jan ran 23 miles altogether.

Solve. Draw a bar model to help you.

12) Uncle Dan and Uncle Joe work at a coffee shop.
Uncle Dan works 210 hours.
Uncle Joe works 34 hours less than Uncle Dan.
How many hours does Uncle Joe work?

$$\begin{array}{r} 210 \\ +\ 34 \\ \hline 244 \end{array}$$



Uncle Joe works 244 hours.

13) $20 \div 5 = 2 \times 2$

$4 = 4$

Left side must = the right side.

Review #6

1) 50, 75, 100, 125, 150, 175

2) 837 – 23 = 814

3) 25 + 58 = 83

Line up vertically to solve.

4) Write 438 in expanded form.

400 + 30 + 8

5) Five hundred forty-seven is the word form of what number?

547

6) There are 8 tables in the classroom.
Each table has 4 chairs.
How many chairs are there in all?

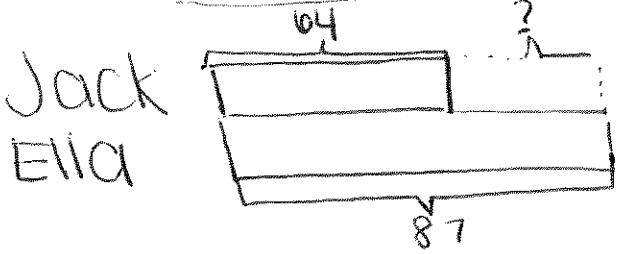
Draw a picture : label.

8 x 4

There are 32 chairs in all.

7) Solve. Draw a bar model to help you.

Jack collected 64 comic books.
Ella collected 87 comic books.
How many more comic books did Ella collect than Jack?

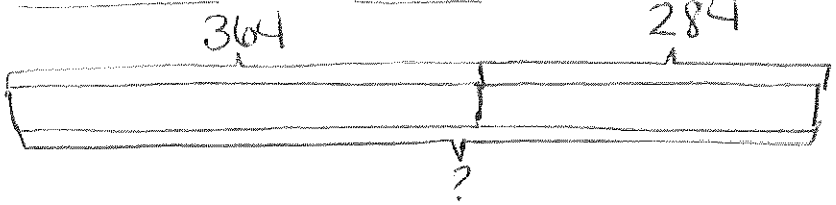


$$\begin{array}{r} 87 \\ -\,64 \\ \hline 23 \end{array}$$

Ella collected 23 more comic books than Jack.

8) Solve. Draw a bar model to help you.

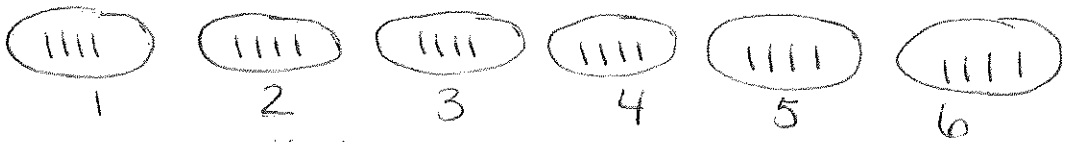
Shawn put 364 coins in the jar.
Taylor added 284 coins to the jar.
How many coins are in the jar now?



$$\begin{array}{r} {}^{1}364 \\ +\ 284 \\ \hline 648 \end{array}$$

There are 648 coins in the jar.

9) The art teacher shares 24 crayons equally among her students.
Each student gets 4 crayons.
How many students are there?



24 ÷ 4 = 6

There are 6 students.

Complete the number sentences.

10) 2 x 5 = 50 ÷ 5
10 = 10

11) 3 x 3 = 27 ÷ 3
9 = 9

12) 3 + 2 = 20 ÷ 4
5 = 5

13) 30 ÷ 5 = 2 + 4
6 = 6

What time is it?

14) Ten minutes to ten in the evening 9:50 p.m.

15) Thirty-five minutes after eleven in the morning 11:35 a.m.

Review #7

Fill in the blanks.

1) 4, 8, 12, 16, 20, 24, 28, 32, 36, 40

2) The time is 7:30 a.m. What time will it be 30 minutes later? 8:00 a.m

3) Use repeated addition to solve **5 x 4**

4 + 4 + 4 + 4 + 4 = 20

Find the sum.

Line up vertically to solve. Don't forget to regroup.

4) 724 + 182 = 906

5) 600 + 293 = 893

Find the difference.

6) 500 – 264 = 236

7) 185 – 96 = 89

Find the product.

Draw picture or use repeated addition to solve.

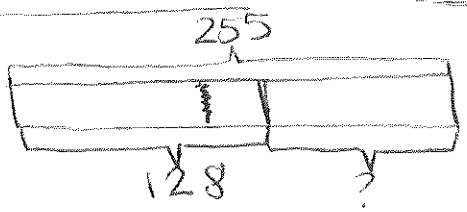
8) 7 x 4 = 28

9) 5 x 8 = 40

10) 3 x 3 = 9

Solve. Draw bar models to help you.

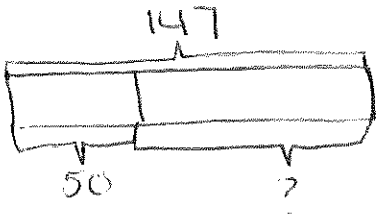
11) Tara is in the skipping contest at field day.
She must skip 255 times without stopping.
She has skipped 128 times without stopping.
How many more times must she skip?



$$\begin{array}{r} {}^{4}\not{2}{}^{1}\not{5}{}^{1}5 \\ -\ 1\ 2\ 8 \\ \hline 1\ 2\ 7 \end{array}$$

She must skip 127 more times.

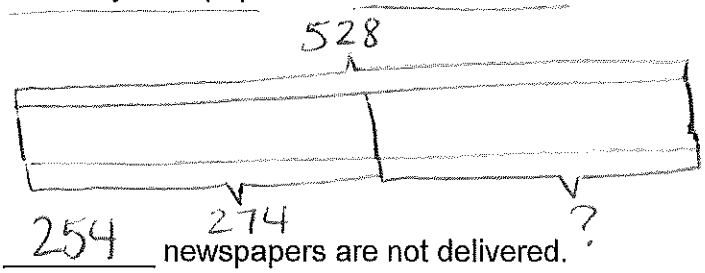
12) There are 147 fish in a pond.
Fifty of them are black.
The rest are orange.
How many fish are orange?



$$\begin{array}{r} {}^{9}\not{1}{}^{1}47 \\ -\ 50 \\ \hline 97 \end{array}$$

97 fish are orange.

13) The paper store receives 528 newspapers in a week.
Ms. Diaz delivers 274 newspapers to local homes.
How many newspapers are **not** delivered?



$$\begin{array}{r} {}^{4}\not{5}{}^{1}\not{2}8 \\ -274 \\ \hline 254 \end{array}$$

254 newspapers are not delivered.

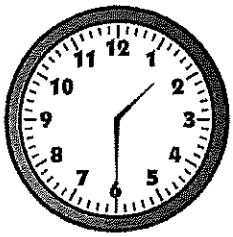
Review #8

1) Fill in the blanks with numbers.

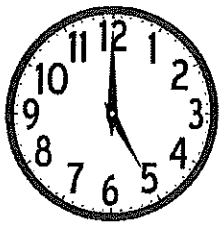
(a) 204 = 2 hundreds 0 tens 4 ones

(b) 400 + 7 = 407

2) Write < or >: 839 > 93



3) 1:30



4) 5:00

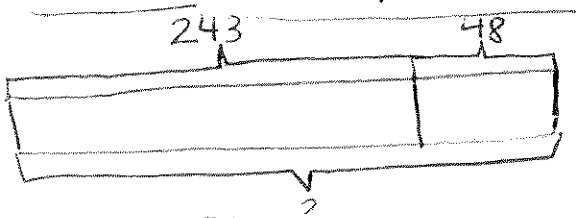
Add or subtract

5) (a)
$$\begin{array}{r} 1 \\ 745 \\ +\ 136 \\ \hline 881 \end{array}$$

(b)
$$\begin{array}{r} {}^{3}\cancel{4}{}^{11}\cancel{2}1 \\ -\ 68 \\ \hline 353 \end{array}$$

Solve. Draw bar models to help you on problems 5 and 6.

6) Justin has 243 red marbles. He has 48 more blue marbles than red marbles. How many blue marbles does he have?

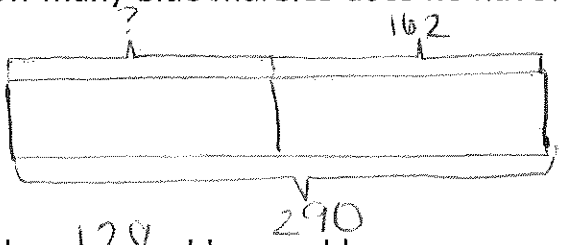


$$\begin{array}{r} {}^{1}243 \\ +\ 48 \\ \hline 291 \end{array}$$

He has 291 blue marbles.

7) Michael has 290 red and blue marbles altogether. 162 of them are red.

(a) How many blue marbles does he have?



$$\begin{array}{r} {}^{8}\not{2}{}^{1}\not{9}0 \\ -\ 162 \\ \hline 128 \end{array}$$

He has 128 blue marbles.

(b) How many more red marbles than blue marbles does he have?

$$\begin{array}{r} {}^{5}\not{1}{}^{1}\not{6}2 \text{ (red)} \\ -\ 128 \text{ (blue)} \\ \hline 34 \end{array}$$

He has 34 more red marbles.

8) Fill in the blanks:

(a) $5 \times 3 =$ 15

(b) $9 \times 2 =$ 18

(c) $7 \times 3 =$ 21

(d) $24 \div 3 =$ 8

(e) $16 \div 2 =$ 8

(f) $9 \div 3 =$ 3

Draw pictures or use repeated +/− to solve.

9) Tom put 30 marbles equally into 3 jars. How many marbles are in each jar?

30 ÷ 3 = 10

Each jar has 10 marbles.

10) Rose saved $3 a week. How many weeks did it take her to get to $18?

18 ÷ 3 = 6

It took her 6 weeks.

11) Miss Riscili has a rope that is 18 feet long. She cuts it into equal pieces. Each piece is 2 feet long. How many pieces of rope does she have?

18 ÷ 2 = 9

She has 9 pieces.

12) Mrs. Litster buys 2 copies of newspaper each day. How many copies of newspapers does she buy in one week?

2 × 7

Mrs. Litster buys 14 copies of newspaper in a week.

Review #9

1. Fill in the blanks with the missing numbers.

Solve vertically.

a. 72 - 18 = 54

b. 58 + 14 = 72

c. 48 - 29 = 19

2. Fill in the blanks.

(a) 6 x 4 = 24 (b) 5 x 5 = 25

(c) 5 x 8 = 40 (d) 28 ÷ 4 = 7

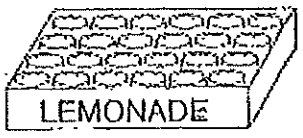
Draw pictures if you're unsure.

3. 32 cookies were divided among some children. Each child got 4 cookies. How many children were there?

32 ÷ 4 = 8

4. 24 glasses of lemonade were divided among some people. Each person drank 4 glasses of lemonade. How many people were there?

24 ÷ 4 = 6



There were 6 people.

5. Mark is reading a book. He has read 12 pages each day for 2 weeks. He still has 36 pages to read.

12 12 12 12 12 12 12 +12 = 84 week 1

12 12 12 12 12 12 12 +12 = 84 week 2

a. How many pages has he read so far?

He has read 168 pages.

b. How many pages are in the book?

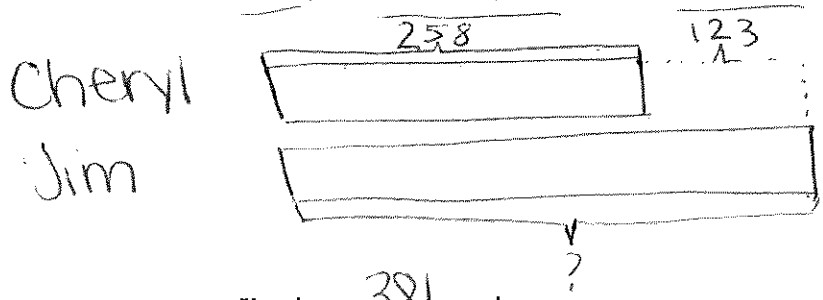
There are 204 pages in the book.

84 + 84 = 168

168 + 36 = 204

Draw bar models to help you solve the problems. Check your work.

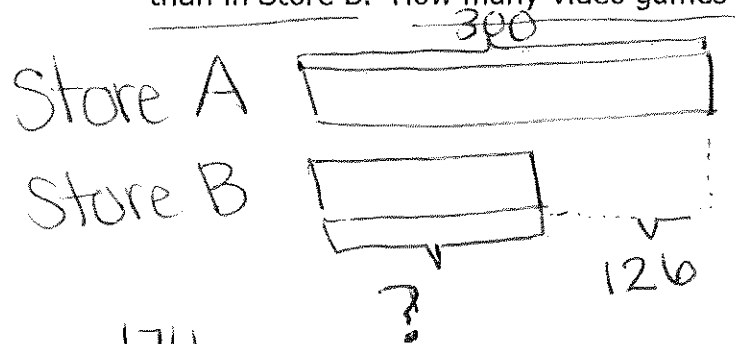
6. Cheryl has 258 rocks in her collection. Jim has 123 more rocks than Cheryl. How many rocks does Jim have?



258 + 123 = 381

Jim has 381 rocks.

7. In Store A, 300 video games are sold. This is 126 more games sold than in Store B. How many video games are sold in Store B?

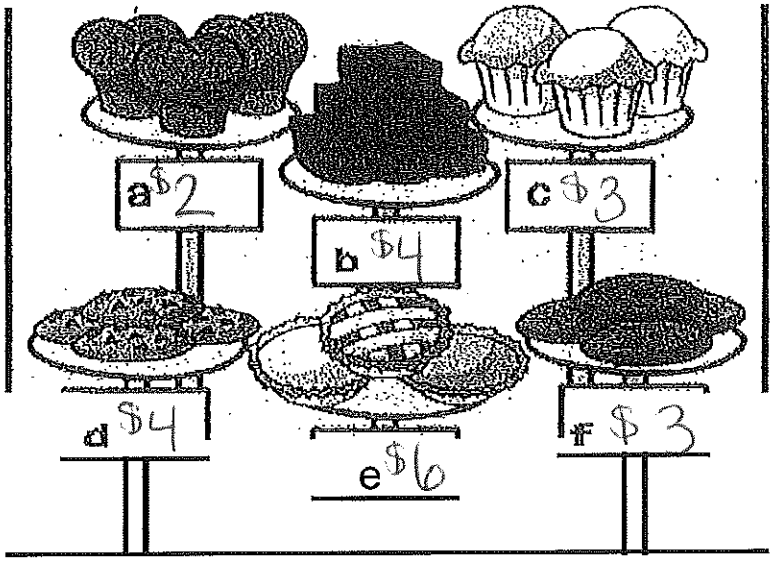


300 − 126 = 174

174 + 126 = 300

174 video games are sold in Store B.

8. Write the prices of a single item under each treat.



a. 3 muffins cost $6. $6 \div 3 = 2$

b. 6 brownies cost $24. $24 \div 6 = 4$

c. 3 cupcakes cost $9. $9 \div 3 = 3$

d. 4 chocolate chip cookies cost $16. $16 \div 4 = 4$

e. 3 pies cost $18. $18 \div 3 = 6$

f. 4 oatmeal cookies cost $12. $12 \div 4 = 3$

You can draw pictures or used repeated subtraction

Review #10

Add or subtract problems 1 & 2 a-c.

a. 643 + 157 = 800

b. 598 + 364 = 962

c. 795 - 286 = 509

2. a. 312 + 54 = 366

b. 333 - 222 = 111

c. 113 + 77 + 201 = 391

3. Fill in the blanks.

a. ● + ● + ● + ● + ● = 40

40 ÷ 5 = 8

What is ● 8

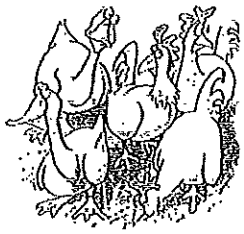
4. ☺ + ☺ + ☺ + ☺ = 12

☺ = 3

☺ = 1/1 12 ÷ 4 = 3

5. 217 ducks and 360 chickens are on the farm.
How many more chickens than ducks are on the farm?

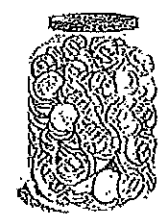
$$\begin{array}{r} 3\overset{5}{\cancel{6}}\overset{1}{0} \\ -\ 217 \\ \hline 143 \end{array}$$



There are 143 more chickens than ducks.

6. Felipe has 653 pennies. He put 275 pennies in a jar.
How many pennies are not in the jar?

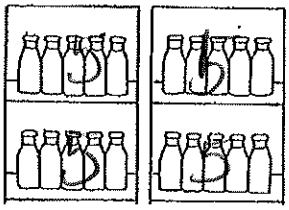
$$\begin{array}{r} \overset{5}{\cancel{6}}\overset{4}{\cancel{5}}\overset{1}{3} \\ -\ 275 \\ \hline 378 \end{array}$$



378 pennies are not in the jar.

7. The store has 4 shelves of milk. Each shelf holds 5 bottles.
How many bottles does the store have?

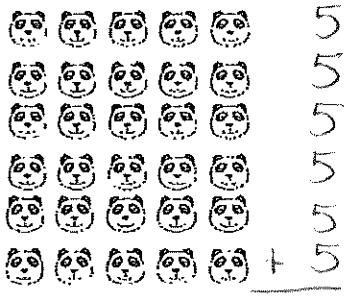
$4 \times 5 = 20$



The store has 20 bottles of milk.

8. 30 pandas live in 6 trees. An equal number of pandas live in each tree. How many pandas live in each tree?

30 ÷ 6 = 5



5 pandas live in each tree.

9. Write <, >, or =. Left = right

a. 3X4 > 3 + 4
12 7

b. 5 X4 < 20+4
20 24

c. 7 X 5 = 5 X 7
35 35

d. 6 + 6 + 6 < 9 X 3
18 27

10. **Fill** in the blanks.

a. 5 X 6 = 30

b. 8X2 = 16

Draw pictures

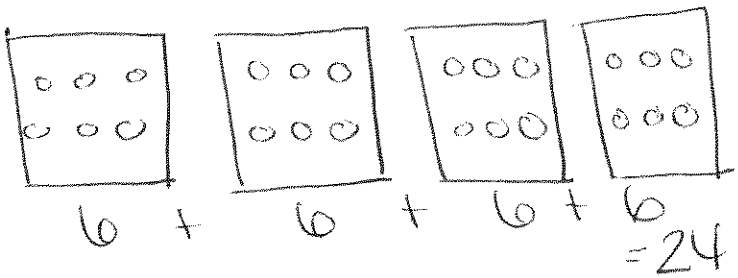
c. 7 X 3 = 21

d. 4X6= 24

11. Tim has 4 jars. There are 6 marbles in each jar. How many marbles does Tim have altogether?

4 X 6 = 24

Tim has 24 marbles together.



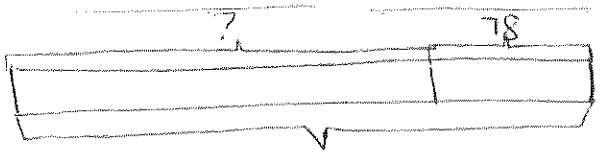
12. 8 X 2 = 6 + 10

16 16

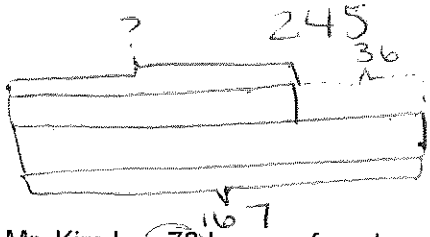
Left = right

Solve. Draw bar models to help you.

13. Kate's grandmother has $245. She spends $78. Then she gives $36 to Kate. How much money does Kate's grandmother have now?



$$\begin{array}{r} \overset{1}{\cancel{2}}\overset{13}{\cancel{4}}5 \\ -\ 78 \\ \hline 167 \end{array}$$

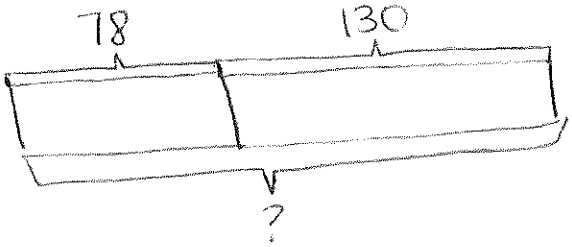


$$\begin{array}{r} 167 \\ -\ 36 \\ \hline 131 \end{array}$$

She has $131 now.

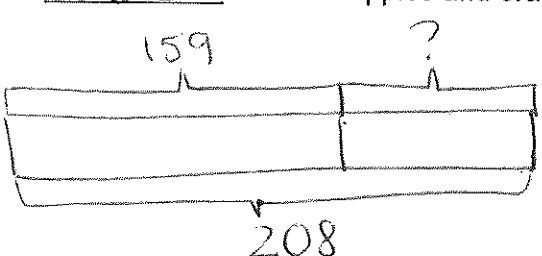
14. Mr. Kim has 78 boxes of apples and 130 boxes of oranges. He sells some boxes of oranges. Now he has 159 boxes of apples and oranges left.

a. How many boxes of apples and oranges did Mr. Kim have at first?
b. How many boxes of oranges did Mr. Kim sell?



$$\begin{array}{r} \overset{1}{1}30 \\ +\ 78 \\ \hline 208 \end{array}$$

Mr. Kim had 208 boxes of apples and oranges.



$$\begin{array}{r} \overset{1}{\cancel{2}}\overset{9}{\cancel{0}}\overset{1}{8} \\ -\ 159 \\ \hline 49 \end{array}$$

Mr. Kim sold 49 boxes of oranges.