Grade 3: SUMMER MATH PACK

Below are some skills your child should know when entering third grade in September.

1. Adding 2 and 3 digit numbers with and without regrouping
2. Identify shapes and symmetry
3. Write, spell and utilize ordinal numbers
4. Quickly adding doubles and doubles +1 (2+2, 3+3 and 2+2+1, 3+3+1)
5. Identify and write the value of each coin
6. Make simple change – add/subtract money amounts
7. Place value to the thousands place.
8. Label and use a calendar – What is the third Wednesday of the month?
9. Tell time to the quarter-past, half-past, and hour
10. Create and read a bar graph, make inferences on data

Your Rising 3rd Grade Math Packet is broken down into 4 sections. For best results and preparation for 3rd grade, try to complete one section every 2-3 weeks over the summer. :)

Helpful websites for more practice!

http://www.coolmath.com
http://www.abcya.com
http://www.funbrain.com
http://www.funbrain.com/kidscenter.html
http://www.ixl.com/math/grade-3

The following activities are also a great way for your child to practice and enhance his/her math skills:

- Do addition and subtraction outside with sidewalk chalk
- Use fact flash cards (addition, subtraction, and multiplication)
- Practice coin counting and making change by playing store

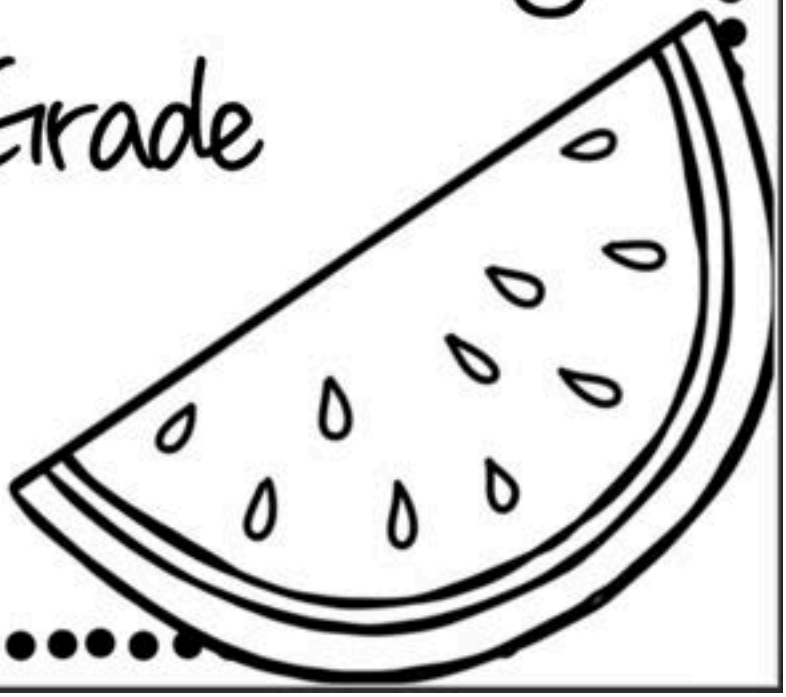
I can't wait to start 3rd grade with you!

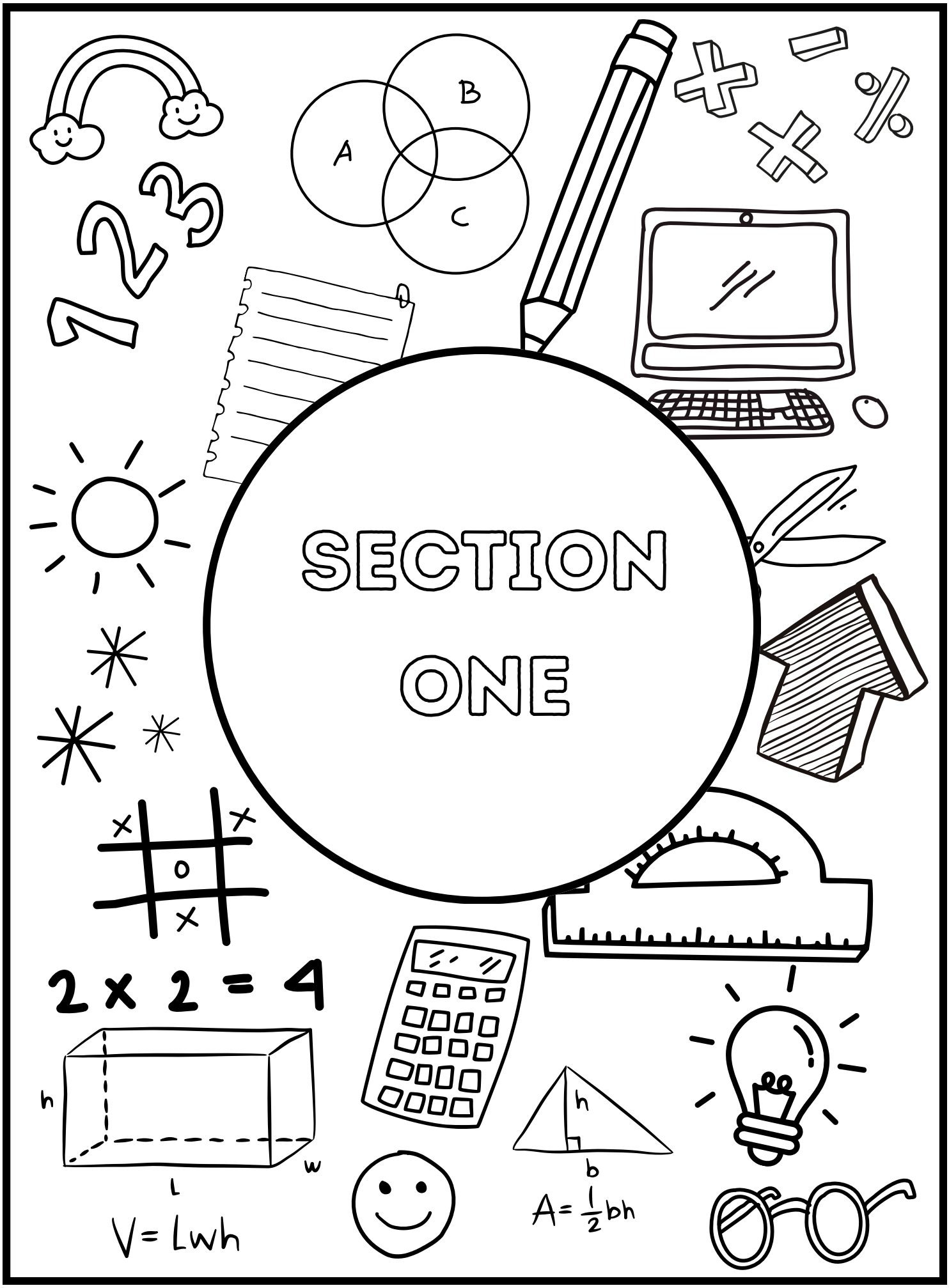
Name:_____

SUMMER MATH PACKET

for students entering

3rd Grade




SECTION
ONE
A
B
C
7 2 3
2 x 2 = 4
h
l
w
V = lwh
h
b
A = 1/2 bh

Adding by Counting On and Making a Ten

Name: _____

Add.

1. $8 + 2 =$ _____
2. $8 + 3 =$ _____
3. $6 + 4 =$ _____
4. $6 + 8 =$ _____
5. $7 + 3 =$ _____
6. $7 + 5 =$ _____
7. $9 + 1 =$ _____
8. $9 + 6 =$ _____
9. $5 + 5 =$ _____
10. $5 + 8 =$ _____
11. $9 + 2 =$ _____
12. $2 + 9 =$ _____
13. $8 + 4 =$ _____
14. $4 + 8 =$ _____
15. $6 + 9 =$ _____
16. $6 + 7 =$ _____

17. Which strategy did you use to solve problem 11? Explain.

Using Doubles and Doubles Plus 1

Name: _____

Add.

1. $4 + 4 =$ _____
2. $4 + 5 =$ _____
3. $6 + 6 =$ _____
4. $5 + 6 =$ _____
5. $7 + 7 =$ _____
6. $8 + 7 =$ _____
7. $9 + 9 =$ _____
8. $8 + 9 =$ _____
9. $5 + 5 =$ _____
10. $6 + 5 =$ _____
11. $8 + 8 =$ _____
12. $7 + 8 =$ _____

13. Which strategy did you use to solve problem 12? Explain why.

Counting On and Making a Ten to Subtract

Name: _____

Complete each set of equations.

1 $12 - 3 = \square$

$3 + \square = 12$

2 $14 - 5 = \square$

$5 + \square = 14$

3 $11 - 3 = \square$

$3 + \square = 11$

4 $15 - 7 = \square$

$7 + \square = 15$

5 $12 - \square = 10$

$12 - 4 = \square$

6 $13 - \square = 10$

$13 - 6 = \square$

7 $16 - \square = 10$

$16 - 9 = \square$

8 $15 - \square = 10$

$15 - 9 = \square$

9 In problem 6, how did you use your first answer to find your second answer?

Name: _____

Solve problems 1–6.

1 Hailey buys 9 potatoes. 4 potatoes are white. The rest are red. How many red potatoes are there? Show your work.

Solution _____ potatoes are red.

2 Levi has 17 pet fish. 7 of the fish are goldfish. The rest are mollies. How many fish are mollies? Show your work.

Solution _____ fish are mollies.

3 Ada wants to read 12 books over the summer. 5 books are stories about cats. The rest are stories about horses. How many books are stories about horses? Show your work.

Solution _____ books are stories about horses.

4 There are 16 chairs at a table. 7 students sit down. The rest of the chairs are empty. How many chairs are empty? Show your work.

Solution _____ chairs are empty.

Telling time - whole hours

Grade 2 Time Worksheet

Write the time below each clock.

1. 

2. 

3. 

4. 

5. 

6. 

7. 

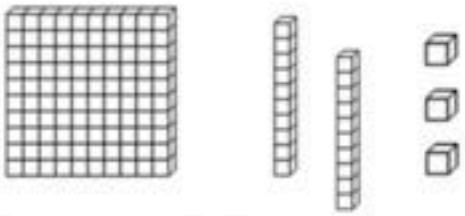
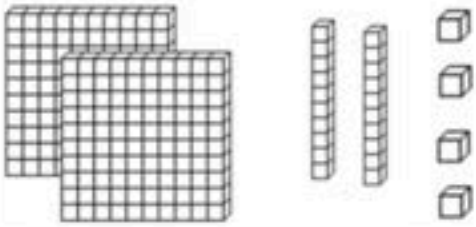
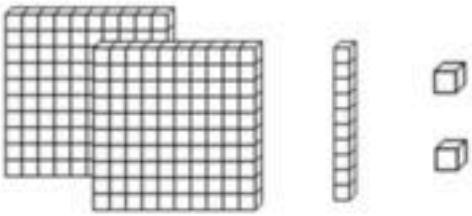
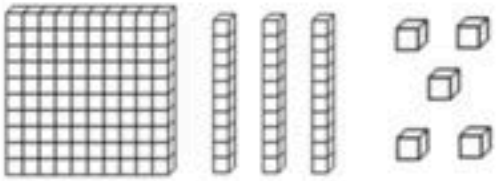
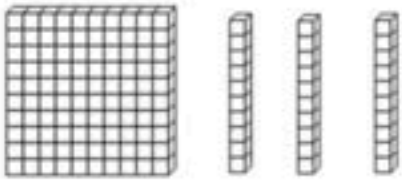
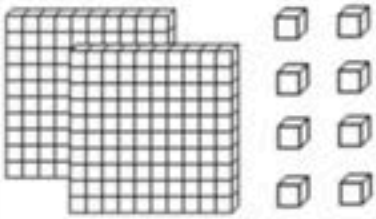
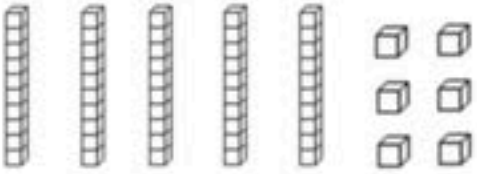
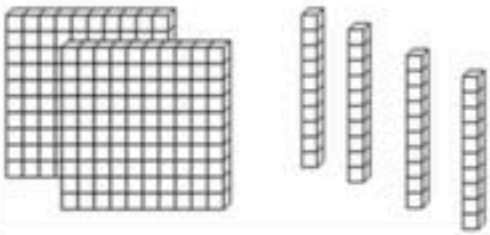
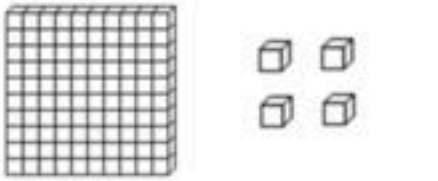
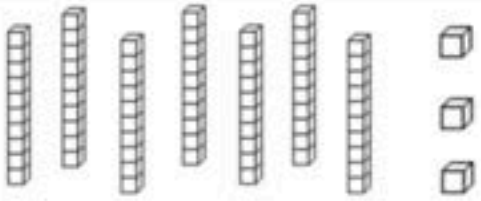
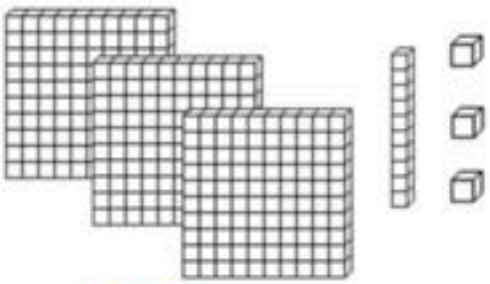
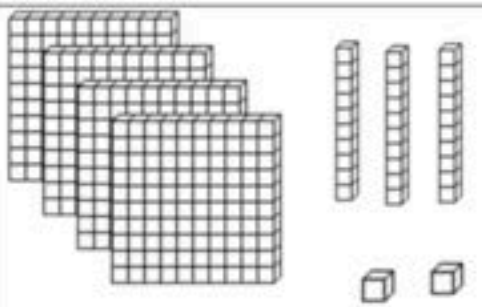
8. 

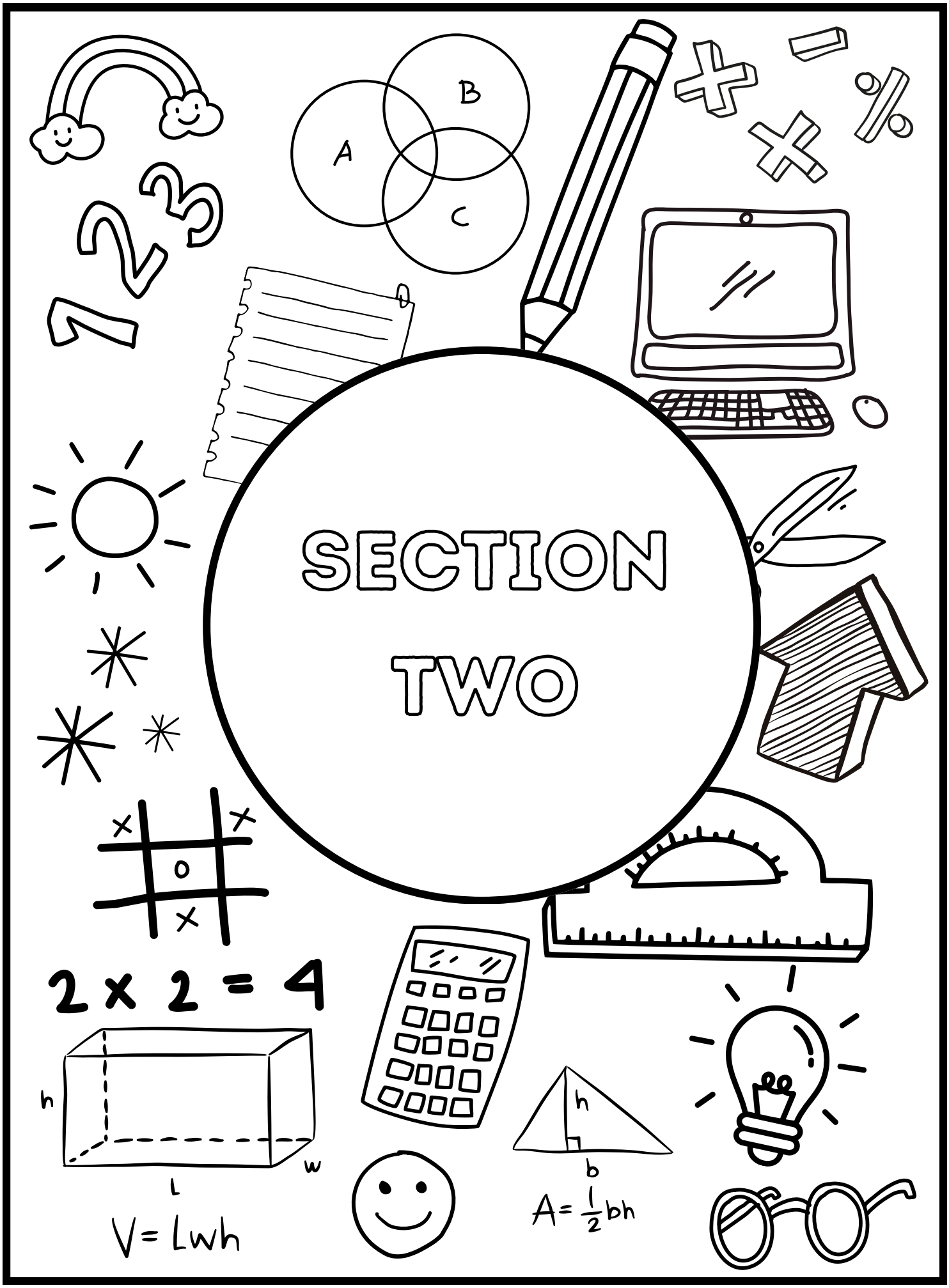
9. 

Name Date

PLACE VALUE BLOCKS: UP TO HUNDREDS SHEET 2

Help Flame Salamander count the blocks.

	How many? _____		How many? _____
	How many? _____		How many? _____
	How many? _____		How many? _____
	How many? _____		How many? _____
	How many? _____		How many? _____
	How many? _____		How many? _____


SECTION
TWO
A
B
C
7 2 3
2 x 2 = 4
h
l
w
V = lwh
h
b
A = 1/2 bh

Name: _____

Find the sums and missing addends.

1. $30 + 7 + 50 + 3 =$ 90

2. $37 + 53 =$ _____

3. $20 + 8 + 40 + 2 =$ _____

4. $28 + 42 =$ _____

5. $60 + 6 + 10 + 4 =$ _____

6. $66 + 14 =$ _____

7. $40 + 5 + 40 + 5 =$ _____

8. $45 +$ _____ $= 90$

9. $30 + 9 + 20 + 1 =$ _____

10. _____ $+ 21 = 60$

11. $20 + 4 + 60 + 6 =$ _____

12. $24 +$ _____ $= 90$

13. $40 + 3 + 30 + 7 =$ _____

14. _____ $+ 37 = 80$

15. How does the information in problem 9 help you solve problem 10?

Name_____ Date_____

2 Digit Addition Worksheet

Created by the Math Salamanders www.math-salamanders.com

1) 81 + 2 =

2) 99 + 85 =

3) 78 + 13 =

4) 17 + 99 =

5) 42 + 37 =

6) 56 + 75 =

7) 96 + 2 =

8) 66 + 52 =

9) 83 + 22 =

2 Digit Subtraction Worksheet

Created by the Math Salamanders www.math-salamanders.com

1) 86 − 37

2) 20 − 1

3) 73 − 53

4) 93 − 19

5) 62 − 19

6) 77 − 41

7) 88 − 56

8) 25 − 6

9) 99 − 83

Score : _____ Date : _____

MATH MONKS

Place Value Worksheet

Write how many hundreds, tens, and ones are in each number.

148		
Hundreds	Tens	Ones

884		
Hundreds	Tens	Ones

455		
Hundreds	Tens	Ones

541		
Hundreds	Tens	Ones

509		
Hundreds	Tens	Ones

319		
Hundreds	Tens	Ones

743		
Hundreds	Tens	Ones

792		
Hundreds	Tens	Ones

636		
Hundreds	Tens	Ones

108		
Hundreds	Tens	Ones

Solving Comparison Word Problems

Name: _____

Solve problems 1–6. Show your work.

1 There are 4 fewer cats than dogs. There are 2 cats. How many dogs are there?

_____ dogs

2 Trevor sees 8 red birds. He sees 5 more red birds than blue birds. How many blue birds does Trevor see?

Trevor sees _____ blue birds.

3 Anna has 7 baskets and some flowers. She has 5 fewer baskets than flowers. How many flowers does Anna have?

Anna has _____ flowers.

4 There are 14 coats and some hats. There are 6 more coats than hats. How many hats are there?

_____ hats

5 There are 9 apples. There are 6 fewer apples than oranges. How many oranges are there?

_____ oranges

6 Brynne has 13 books. She has 8 more books than games. How many games does Brynne have?

Brynne has _____ games.

Name Date

COUNTING QUARTERS, DIMES, NICKELS AND PENNIES SHEET 2

Work out the amount of money shown in cents.

_____ ¢

_____ ¢

_____ ¢

_____ ¢

_____ ¢

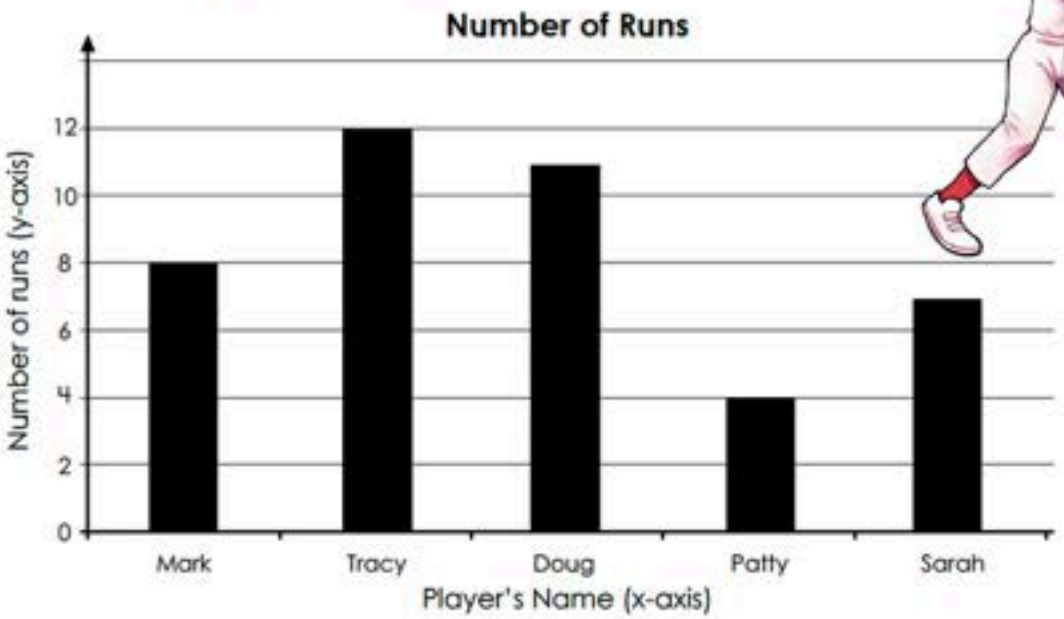
_____ ¢

_____ ¢

Name: _____

Baseball Bar Graph

The school baseball team keeps track of how many runs each player gets.
Use the graph below to answer the questions.



1. How many runs did Sarah have? 1. _____

2. How many runs did the player with the most runs have? 2. _____

3. How many more runs did Doug have than Sarah? 3. _____

4. How many fewer runs did Mark have than Tracy? 4. _____

5. How many runs did Mark and Patty have? 5. _____

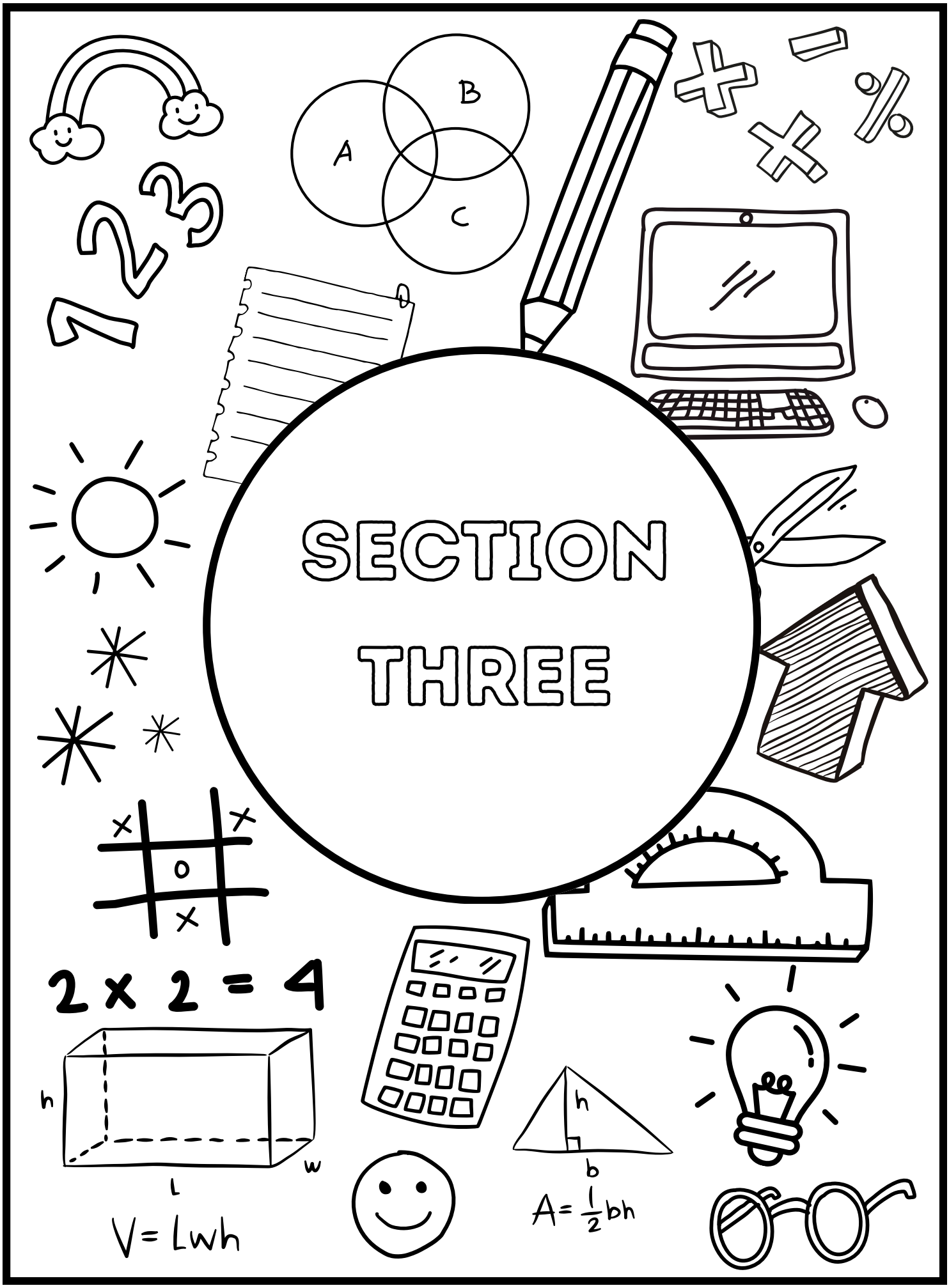
6. Who has more runs: Mark and Doug or Tracy and Patty? 6. _____

7. Which two players' runs added together are less than Tracy's? 7. _____

8. Jose scores five more runs than Tracy.
How many runs did he score? 8. _____

9. List the players in order, from fewest runs to most runs.

_____


SECTION
THREE
A
B
C
2 x 2 = 4
h
l
w
V = lwh
h
b
A = 1/2 bh

Addition facts 1-12

Addition Practice Worksheet

Find the sums.

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

Name _____ Date _____

Subtraction Practice: Solve the subtraction problems below.

1) 16 – 8 = _____

2) 9 – 2 = _____

3) 5 – 1 = _____

4) 11 – 3 = _____

5) 11 – 9 = _____

6) 12 – 8 = _____

7) 8 – 0 = _____

8) 11 – 4 = _____

9) 17 – 8 = _____

10) 4 – 0 = _____

11) 2 – 1 = _____

12) 13 – 6 = _____

13) 6 – 2 = _____

14) 13 – 9 = _____

15) 4 – 2 = _____

16) 15 – 8 = _____

17) 5 – 0 = _____

18) 13 – 10 = _____

19) 18 – 10 = _____

20) 9 – 5 = _____

Writing Three-Digit Numbers

Name: _____

Write the number using only digits.

1. one hundred sixty-four _____
2. six hundred fifty-two _____
3. three hundred twelve _____
4. two hundred sixty-one _____
5. two hundred five _____
6. five hundred nineteen _____

Write the number using only digits.

7. 100 + 10 + 6 _____
8. 500 + 4 _____
9. 300 + 40 + 5 _____
10. 300 + 50 + 4 _____
11. 400 + 60 _____
12. 500 + 40 _____

Name: _____

Write the number as a sum of hundreds, tens, and ones. Then write the number using words.

13 522 _____ + _____ + _____

_____

14 435 _____ + _____ + _____

_____

15 218 _____ + _____ + _____

_____

16 310 _____ + _____

_____

17 Explain how problem 8 is the same and different from problem 12.

Name _____

Addition with Regrouping
2.NBT.5

23 +18	46 +26	54 +39	39 +53	47 +35
46 +24	52 +37	38 +43	53 +18	48 +47
56 +27	26 +38	37 +48	27 +65	38 +49

Name _____

Subtraction with Regrouping
2.NBT.5

62 -17	50 -25	45 -18	72 -23	91 -37
52 -23	91 -19	74 -25	61 -38	80 -35
71 -24	64 -36	87 -49	92 -15	63 -46

Measuring in Inches and Centimeters

Name: _____

1 Use a ruler to measure the length of the piece of tape in inches.

What is the length of the tape? _____ inches

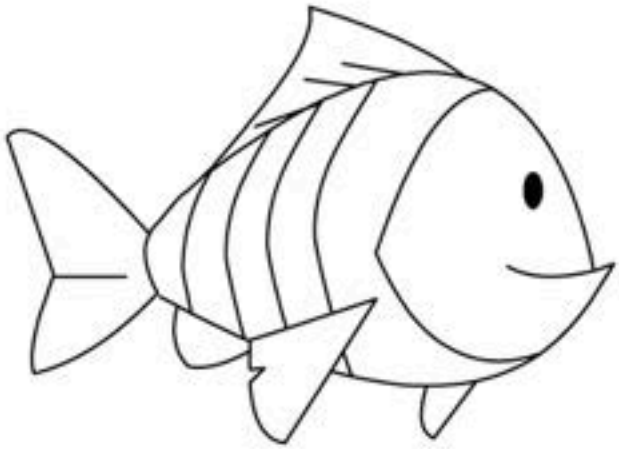
2 Use a ruler to measure the length of the pencil in inches.

What is the length of the pencil? _____ inches

3 Use a ruler to measure the length of the shoe in centimeters.

What is the length of the shoe? _____ centimeters

4 Use a ruler to measure the length of the fish in centimeters.



What is the length of the fish? _____ centimeters

Name: _____

5 Use a ruler to measure the length of the string in both inches and centimeters.

_____

What is the length of the string in inches? _____ inches

What is the length of the string in centimeters? _____ centimeters

6 Use a ruler to measure the length of the rectangle in both inches and centimeters.

What is the length of the rectangle in inches? _____ inches

What is the length of the rectangle in centimeters? _____ centimeters

7 For problem 6, did you write different numbers for the length in inches and the length in centimeters? Explain.

Telling time - half hours

Grade 2 Time Worksheet

Write the time below each clock.

1. 

2. 

3. 

4. 

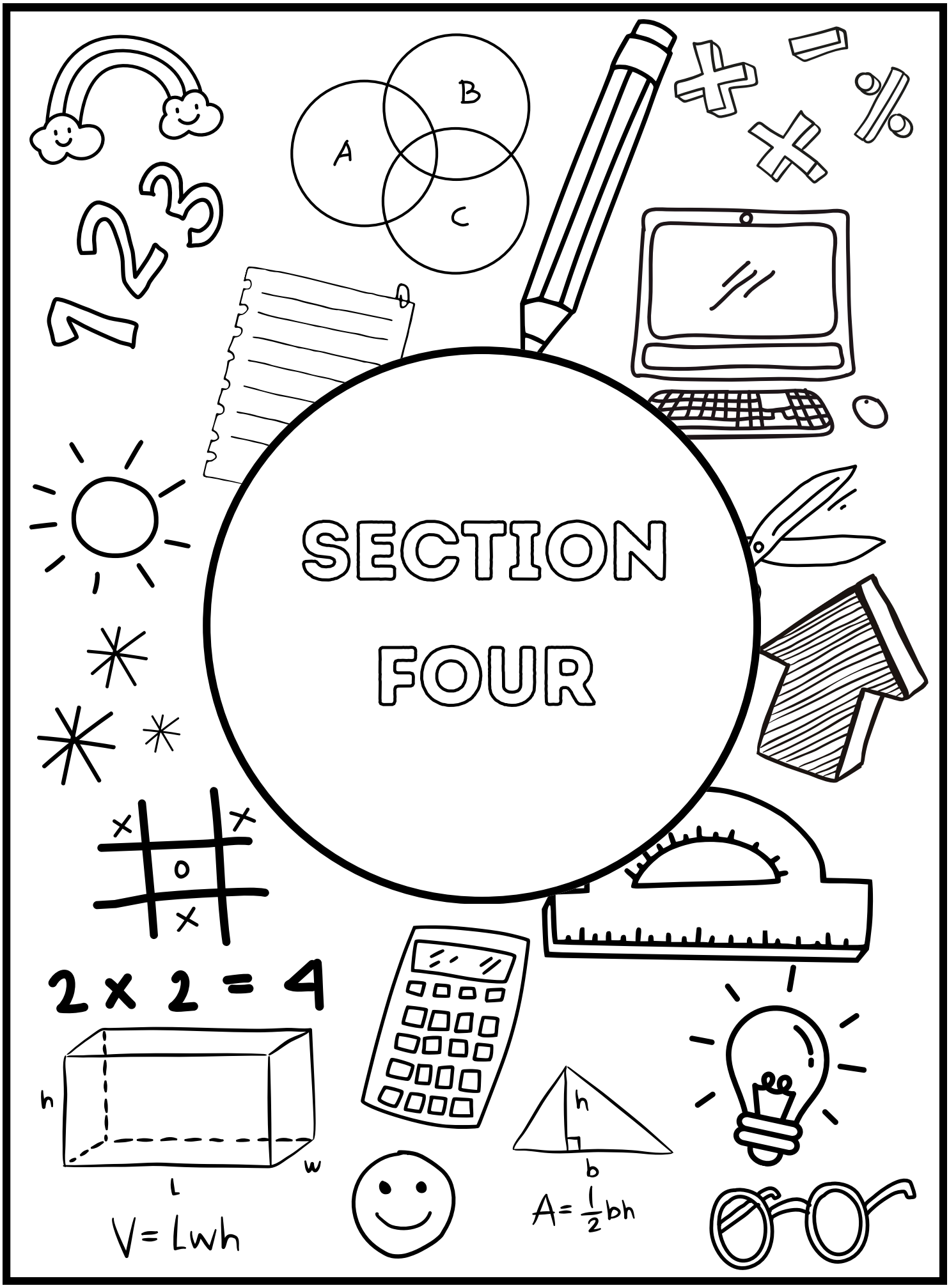
5. 

6. 

7. 

8. 

9. 


SECTION
FOUR
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l
w
V = lwh
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b
A = 1/2 bh

Math: Number Patterns

Fill in the table by counting by 2s.

Count by 5s and color those numbers yellow.

1	___	3	___	5	___	7	___	9	___
11	___	13	___	15	___	17	___	19	___
21	___	23	___	25	___	27	___	29	___
31	___	33	___	35	___	37	___	39	___
41	___	43	___	45	___	47	___	49	___
51	___	53	___	55	___	57	___	59	___
61	___	63	___	65	___	67	___	69	___
71	___	73	___	75	___	77	___	79	___
81	___	83	___	85	___	87	___	89	___
91	___	93	___	95	___	97	___	99	___

Ways to Compare Three-Digit Numbers

Name: _____

Compare the numbers in each problem two different ways.

1 Compare 250 and 200.

_____ < _____ and
_____ > _____

2 Compare 170 and 180.

_____ < _____ and
_____ > _____

3 Compare 346 and 325.

_____ < _____ and
_____ > _____

4 Compare 235 and 261.

_____ < _____ and
_____ > _____

5 Compare 424 and 453.

_____ < _____ and
_____ > _____

6 Compare 833 and 824.

_____ < _____ and
_____ > _____

7 Compare 637 and 682.

_____ < _____ and
_____ > _____

8 Compare 362 and 326.

_____ < _____ and
_____ > _____

9 Compare 531 and 513.

_____ < _____ and
_____ > _____

10 Compare 714 and 741.

_____ < _____ and
_____ > _____

11 Compare 468 and 486.

_____ < _____ and
_____ > _____

12 Compare 967 and 959.

_____ < _____ and
_____ > _____

13 What strategies did you use to compare the numbers?

Name:_____

CCSS 3.NBT.1 Use place value understanding to round whole numbers....

ROUNDING

Directions: Round each number to the nearest ten.

81 = ____	79 = ____	48 = ____	77 = ____	19 = ____
66 = ____	93 = ____	35 = ____	17 = ____	68 = ____
88= ____	8 = ____	45 = ____	56 = ____	62 = ____
70 = ____	44 = ____	12 = ____	40 = ____	49 = ____
1 = ____	73 = ____	16 = ____	56 = ____	90 = ____
15 = ____	46 = ____	78 = ____	91 = ____	55 = ____

Adding and Regrouping Tens

Name: _____

Look at the hundreds digits in each problem. Circle those that will have a sum greater than 500. Then find the exact sums of only the problems you circled.

1 435 + 283 = 718

2 205 + 113 =

3 586 + 130 =

4 378 + 343 =

5 186 + 175 =

6 476 + 234 =

7 152 + 169 =

8 214 + 225 =

9 362 + 556 =

10 481 + 262 =

11 145 + 239 =

12 347 + 133 =

13 286 + 644 =

14 267 + 174 =

15 383 + 319 =

16 How do you know that 361 + 283 is greater than 500 without finding the sum?

Regrouping Tens to Ones

Name: _____

Circle all the problems where you must regroup a ten to subtract the ones. Then find the differences of only the problems you circled.

1 875 − 646 = 229

2 478 − 226

3 692 − 437

4 345 − 224

5 761 − 338

6 514 − 402

7 953 − 821

8 474 − 156

9 320 − 210

10 663 − 425

11 619 − 308

12 847 − 628

13 736 − 517

14 563 − 249

15 375 − 163

16 How can you tell by looking at the problem if you need to regroup a ten to subtract the ones?

Measuring in Inches and Feet

Name: _____

1 Circle the objects that are easier to measure with an inch ruler.
Underline the objects that are easier to measure with a yardstick.

a bike a leaf a table

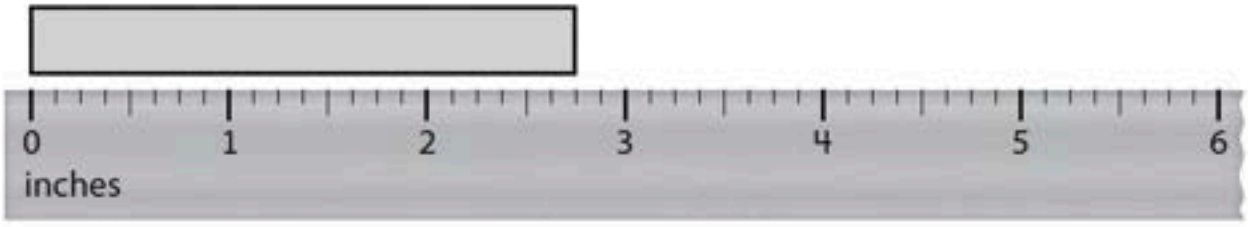
a book a sticker

2 Circle the objects that are easier to measure with an inch ruler.
Underline the objects that are easier to measure with a yardstick.

a window a cracker a tent

a marker a blanket

3 What is the length of the rectangle to the nearest inch?



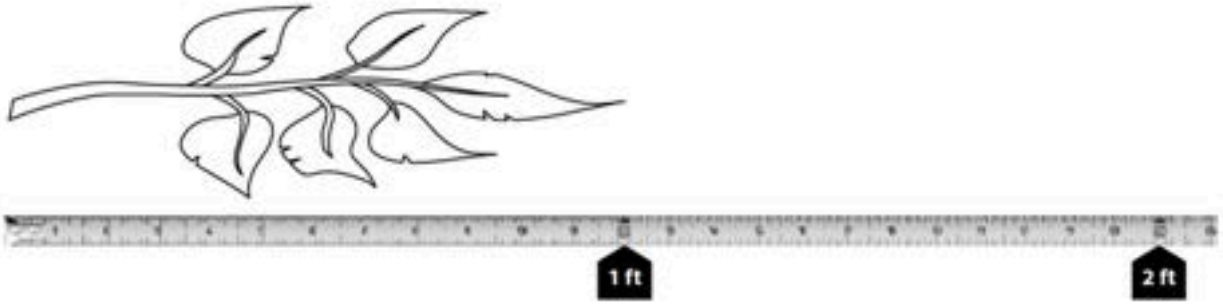
The rectangle is about _____ inches long.

Name: _____

4 What is the length of the baseball bat to the nearest foot?

The baseball bat is about _____ feet long.

5 What is the length of the branch to the nearest foot?



The branch is about _____ foot long.