Joday's Date: Ougust 26 Today's birthday: Katherine

Lesson 23 - 29

- (1) Expand (2x-4)5 =(2x) +5 (2x) +(-4) 1 +10(2x)3(-4)2 +10(2x)2(-4)3 +5(2x)1(-4)4+(-4)5 - 2560 x 2 + 2560 x - 1024
 - 32 + 6 (3) 49 9+18+9=36



the school picnic. Each pie is divided into 8 slices. There are 19 children from her class attending the picnic. How many

Mrs. K brings 3 pies to

slices are left if each child has one slice of pie?

> 8 x 3 = 24 slices 24-19 = 5

Remainder = 5 slices.

- ④ £(7-3k)
- (5) -4(-2-7)=5x+6 8+4x = 5x +6
- = 3 T (4)2 (3)
- (7)

=# (1) (5) - 5 1

(8) x2 = 5x - 4 x - 5x + 4 = 0 (x-1)(x-4)=0 (3x2+4x-6) - (3x2-x+ $= 5x^2 + 4x - 6 - 3x$ = (5x2-3x2)+ $= 2 \times^2 + 5 \times - 8$

Example 1

4x (3x+x-1)= 4x+(3x=)+4x+(x

- 4x (1) = 12x + 4x - 4x6

Find the volume of an ice cream cone: r = 2



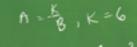


Homework - Chapter 31 Reading gages: 211 215 probleme : #2, #3, #12, #15, #18. \$22-26 *Due Wednesday

Example 2

Graph the following







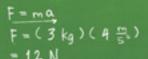
$$x = 3 m + (4 \frac{m}{5})(25)$$

+ $\frac{1}{2}(2 \frac{m}{5})(25)^2$



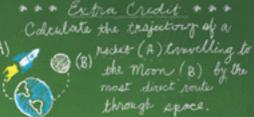












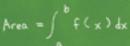
at what time will the rocket reach the moon? Departure time: 0600 Speed: 25,000 miles per hour See p. 216 for additional ingoraction.

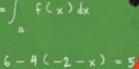


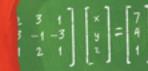
Area under the curve

Approximate area = $\frac{2}{3}BH$

6+8+4x=5x







Circumference = 200 r















FOR KATHERINE, HER DAUGHTERS, AND ALL WHO LOOK TO THE STARS

-H. B.

FOR MADELINE, AUDREY, AND SABRINA -

-D. P.



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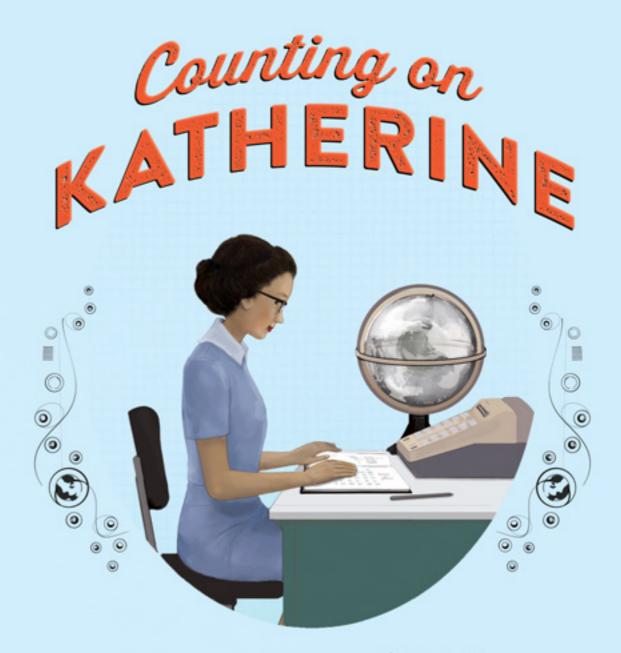
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HELAINE BECKER

Illustrated by
DOW PHUMIRUK

MACMILLAN CHILDREN'S BOOKS







By the time she turned ten, Katherine was ready for high school.



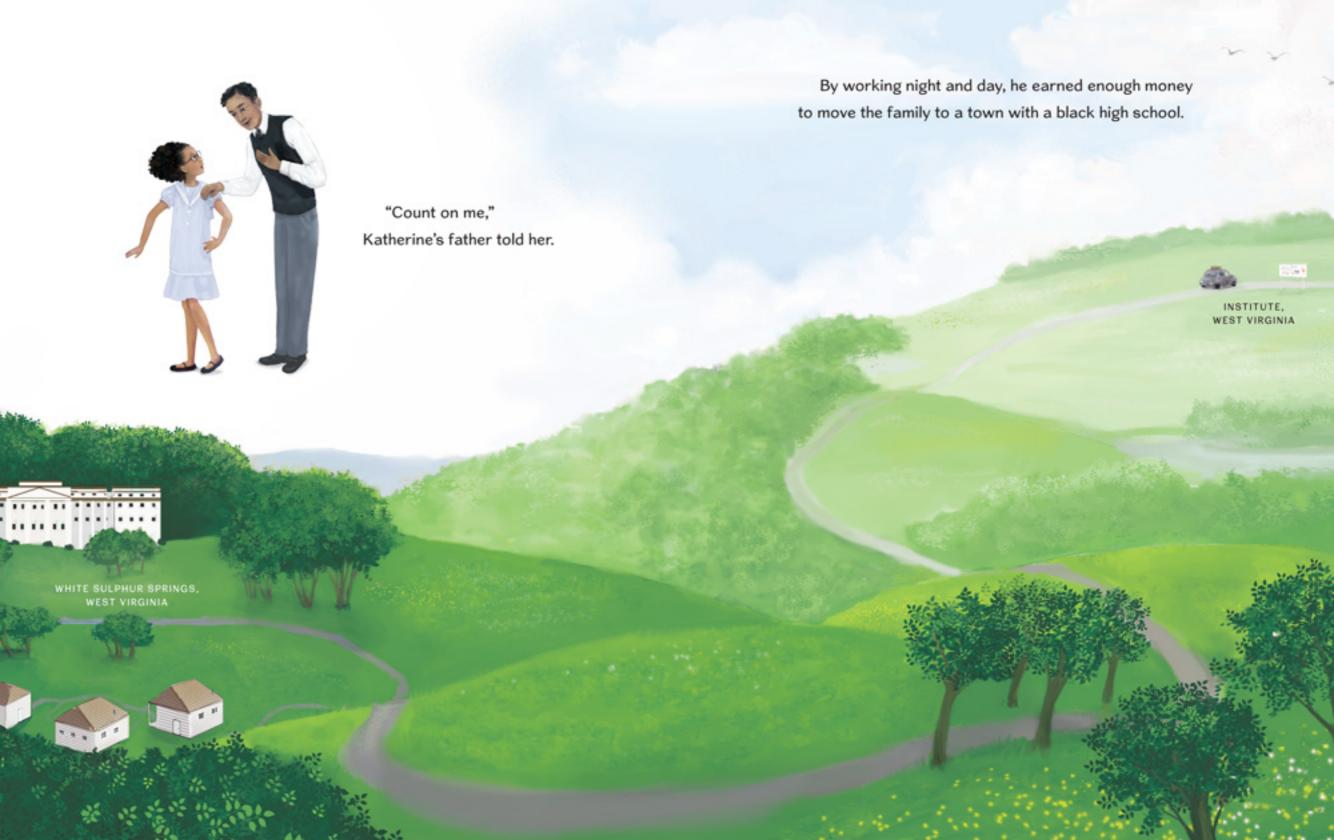
But back then, America was legally segregated by race.







Katherine burned with fury. She wanted, more than anything, to keep learning. There was still



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Katherine loved high school. She was good at every subject, but maths was still her favorite. She dreamed of becoming a research mathematician, making discoveries about the number patterns that are the foundations of our universe.

In those days, though, there were no jobs as research mathematicians for women. Professions most available to them were teaching and nursing.

So Katherine became a primary school teacher. She liked her job. And she loved her students. But she never stopped dreaming about exploring numbers.

