

# Divide and Conquer

## FOCUS

Division facts  
Division by tens

## LEVEL

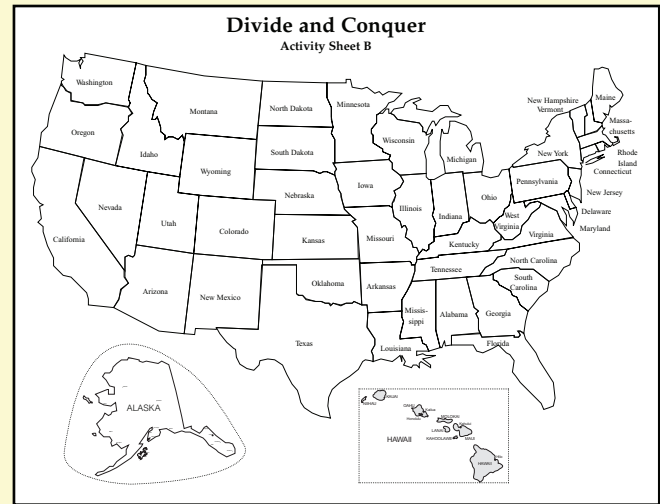
Intermediate

## SOFTWARE CONNECTION

Division (Level 3: divisors of 5 and 6,  
Level 4: divisors of 10, 20, 30)

## GROUPING

Whole class in teams of 10 each



## SUPPLIES

Copies of Divide and Conquer Activity Sheet A (1 per team, copied on different colors of paper), single copy of Divide and Conquer Activity Sheet B (enlarged), single copy of Divide and Conquer Activity Sheet C, scissors, tape, scratch paper, pencils, crayons or markers

## ACTIVITY

1. In preparation, post the United States map (enlarged Activity Sheet B) at the front of the classroom.
2. Teams of students compete against each other in this whole-class game. Divide the class into teams of ten. Distribute Activity Sheet A (a different-colored copy to each team). Name the teams to match the colors of the activity sheets: Yellow Team, Blue Team, etc. Give each team a crayon to match its color.
3. Have students cut apart the number cards on the activity sheet. Each team member should tape a number where it is clearly visible on the front of his or her shirt.
4. Explain how to play Divide and Conquer:
  - The teacher calls out a division problem from Activity Sheet C (e.g., "60 divided by 6").
  - Students on all teams solve the problem, using scratch paper if needed, and team members with the numbers 1 and 0 rush to the front of the room to display the answer, 10.
  - The first team to accomplish this task can color one of the states on the United States map. (You may want to have the Yellow Team start at the northwest corner of the map, the Blue Team at the northeast corner, etc.)
  - At the end of the playing time, have teams count up the number of states they have colored. The winning team is the team that has conquered (colored) the most sections on the map.

**Tip:** If desired, instead of using Activity Sheet C, substitute division problems of choice.

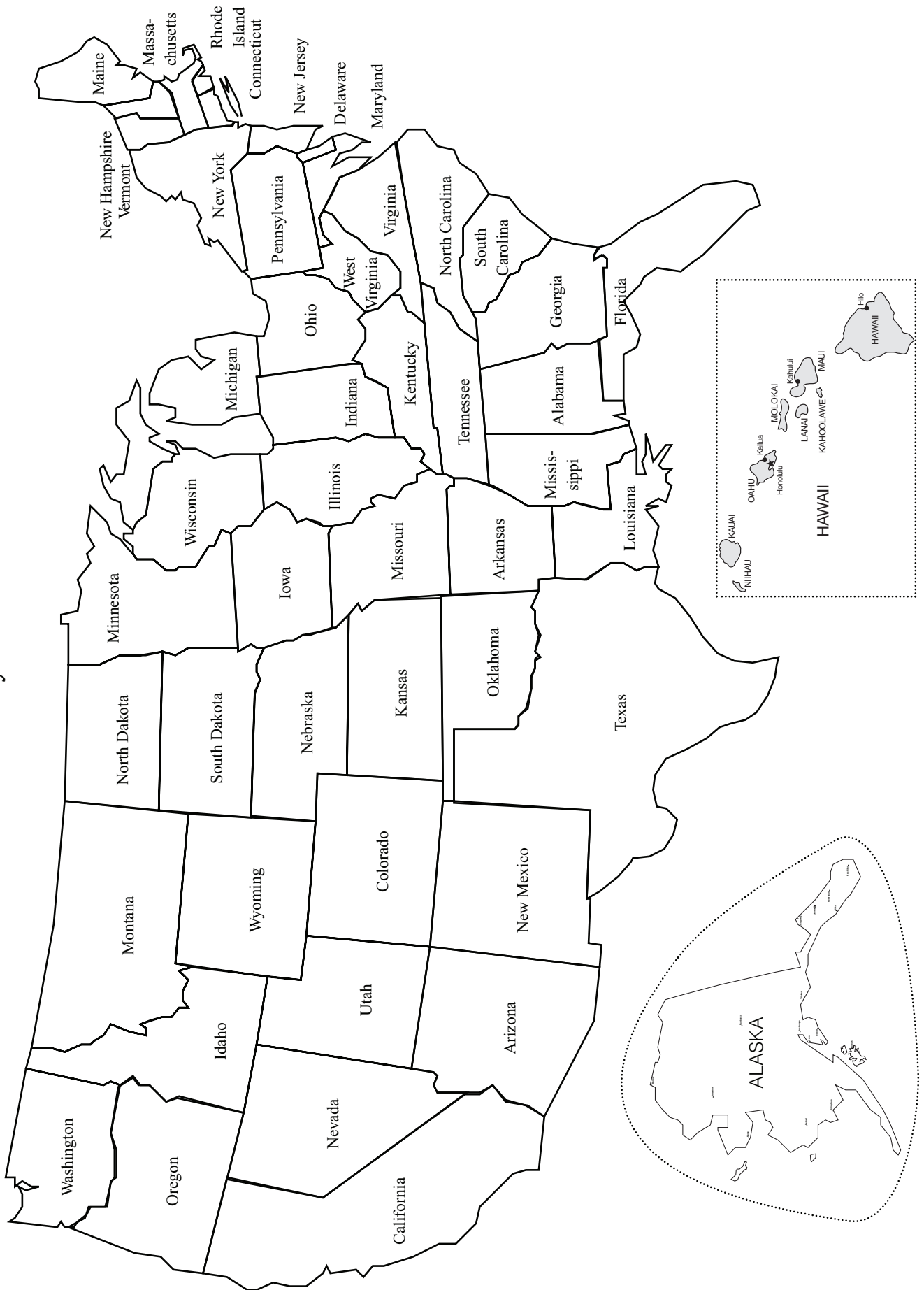
# Divide and Conquer

## Activity Sheet A

0	1	2
3	4	5
6	7	8
	9	

# Divide and Conquer

## Activity Sheet B



# Divide and Conquer

## Activity Sheet C

### Divisors of 5

$5 \div 5$	$10 \div 5$	$15 \div 5$	$20 \div 5$
$25 \div 5$	$30 \div 5$	$35 \div 5$	$40 \div 5$
$45 \div 5$	$50 \div 5$	$55 \div 5$	$60 \div 5$
$65 \div 5$	$70 \div 5$		

### Divisors of 6

$6 \div 6$	$12 \div 6$	$18 \div 6$	$24 \div 6$
$30 \div 6$	$36 \div 6$	$42 \div 6$	$48 \div 6$
$54 \div 6$	$60 \div 6$	$66 \div 6$	$72 \div 6$

### Divisors of 10

$10 \div 10$	$70 \div 10$	$100 \div 10$	$130 \div 10$
$160 \div 10$	$190 \div 10$	$220 \div 10$	$250 \div 10$

### Divisors of 20

$20 \div 20$	$100 \div 20$	$120 \div 20$	$180 \div 20$
$220 \div 20$	$260 \div 20$	$300 \div 20$	$340 \div 20$
$380 \div 20$	$420 \div 20$	$500 \div 20$	$460 \div 20$

### Divisors of 30

$30 \div 30$	$90 \div 30$	$150 \div 30$	$210 \div 30$
$270 \div 30$	$330 \div 30$	$390 \div 30$	$450 \div 30$
$210 \div 30$	$270 \div 30$	$330 \div 30$	$360 \div 30$
$390 \div 30$	$450 \div 30$	$510 \div 30$	$540 \div 30$
$570 \div 30$	$630 \div 30$	$690 \div 30$	$750 \div 30$