

# • Playing with Numbers •

- 1) Computer A can do a job in 2 hours.  
Computer B can do the same job in 4 hours.



How long will it take them working together to do the job?

- a) 3 hours
- b) more than 4 hours
- c) less than 2 hours
- d) not enough information to be able to tell

**If Computer A working alone can do the job in 2 hours, then any help from Computer B will cut down the required time.**

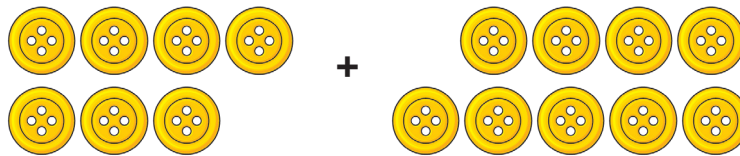
- 2) By doubling in size everyday, a lily pad can cover a pond in 10 days.  
How long will it take two such lily pads to cover the same pond?

**9 days.**

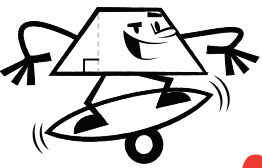
**On the ninth day, each of the lily pads will have covered exactly half of the pond.**



- 3) Explain why an odd number plus an odd number is always an even number.



**Every odd number is some even number plus one more ("one extra"). When you add two odd numbers, the "extra" plus the "extra" make an even number.**



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Fill in the missing parts of each rectangle:

1)

5	5	$2\frac{1}{2}$
		$2\frac{1}{2}$

2)

3	9	$4\frac{1}{2}$
3		$4\frac{1}{2}$
3		

3)

$10\frac{1}{2}$	$5\frac{1}{4}$	21	7
			7
$10\frac{1}{2}$	$15\frac{3}{4}$		7