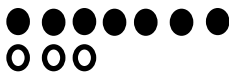
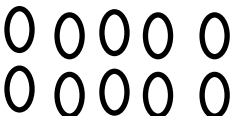
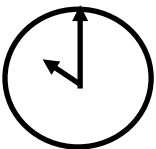
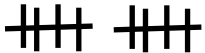


Target Number Directions

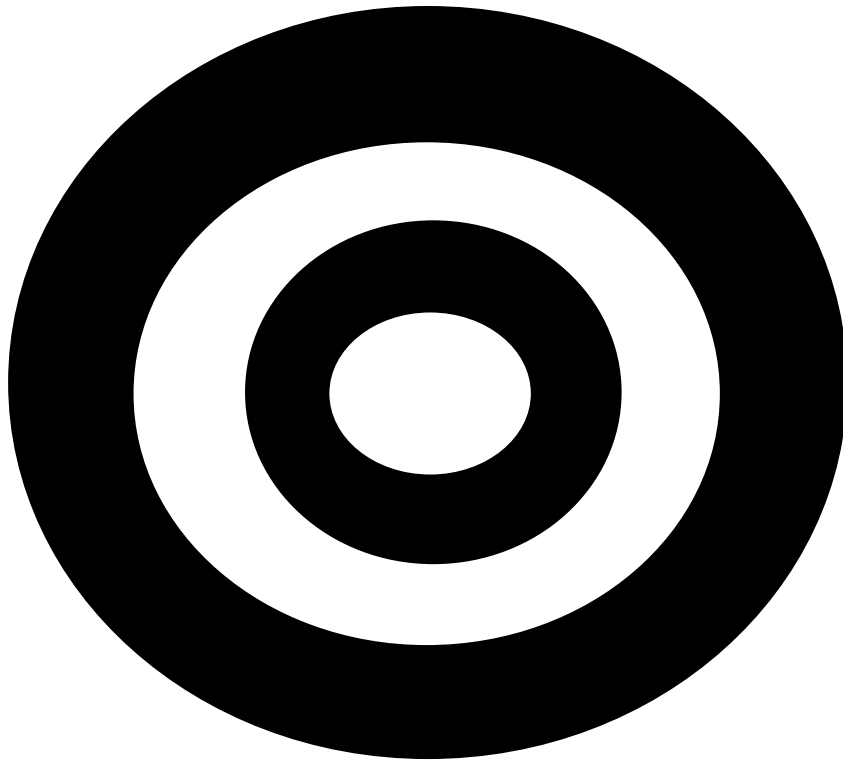
- The task is to represent the target number in different ways in one minute. Do a couple samples with students before starting the timer.
 - Start all groups with the numbers 12 and 15.
 - All target numbers are fair to use with students in grades 1 through 8.
 - Use numbers 20 and under for any “Dog-Icon” students in the group.
- Set the timer for one minute.
- Educators play along, and write examples to share related to the students’ required math fluencies:
- At the end of the minute, students give ONE example at a time, going around the group a couple of times until all DIFFERENT responses are used. Students need to give **different** ways to represent the number. Writing, “7 + 3” is different from writing, “3 + 7”. Drawing seven circles and three circles is different from writing, “7 + 3.”

Examples of some different ways to represent the number 10:

$7 + 3$	$10 + 0$	$17 - 7$	2×5	$100 / 10$	$20 / 2$
$3 + 7$	$0 + 10$	ten	5×2	$10 / 1$	10×1
					
One dozen eggs take away 2		$2 + 2 + 2 + 2 + 2$			$100 - 90$

Required [Math] Fluencies

Kindergarten	Add and subtract within 5	Procedural Fluency
Grade 1	Add and subtract within 10	Procedural Fluency
Grade 2	Single digit sums and differences (automaticity by the end of Grade 2)	Automaticity by the end of Grade 2
	Add and subtract within 100	Procedural Fluency
Grade 3	Single digit products and quotients (product automaticity by the end of Grade 3)	Automaticity for Products by the end of Grade 3
	Add and subtract within 1,000	Procedural Fluency
Grade 4	Add and subtract within 1,000,000	Procedural Fluency
Grade 5	Multi digit multiplication	Procedural Fluency
Grade 6	Multi digit division; multi digit decimal operations	Procedural Fluency



Target Number

Suggested Target Numbers: Start with 12 and 15 for everyone for the first two sessions. Afterwards, numbers over 20 are fair for all grade bands except for the DOG ICON, which should just use numbers under 20.

12

15

24

36

60

48

100

45

90

50

75

More choices:

9

18

6

20