

# CIRCLE DRILL SPEED CHART

## PURPOSE

This Maths sheet tracks your child's progress while mastering the basic number facts using the Circle Drill, thus providing both encouragement and the self-esteem that comes with developing a skill.

## PREPARATION

You need a watch with a second hand or a stopwatch feature and a pencil.

## PROCEDURE

Once your child can do one of the categories of number facts (for example, adding 3 to numbers) at a slow speed, you can start timing how long it takes him or her to complete the sequence on the drill circle. Recording these times on the drill speed chart will show your child's improvement. Your goal is complete automaticity. Having your child fill in the drill speed chart will give valuable additional practice, reinforcing the concept that there are 60 seconds in a minute, not 100.

You may wish to time the addition cycles separately, possibly including both clockwise and counterclockwise directions in each timed cycle. Then you can do the same for the subtraction cycles and for the multiplication cycles. When mastery is achieved in these three cycles, you may wish to combine addition, subtraction and multiplication cycles (clockwise or counterclockwise only) as one comprehensive cycle. You may discover that the multiplication portion of the cycle will go faster than the addition and subtractions portions.

Besides these formal sessions, you may wish to have spontaneous reviews. For example, when you are in the car together, say  $2 \times 8 = ?$ ,  $2 \times 6 = ?$ , etc. Turning the tables into a game is only limited by your imagination but be careful not to overdo it lest the fun factor be reduced.

TABLE	DRILL 1 Seconds	DRILL 2 Seconds	DRILL 3 Seconds	DRILL 4 Seconds	DRILL 5 Seconds	DRILL 6 Seconds	DRILL 7 Seconds	DRILL 8 Seconds	DRILL 9 Seconds	DRILL 10 Seconds
2										
3										
4										
5										
6										
7										
8										
9										
TABLE	DRILL 11 Seconds	DRILL 12 Seconds	DRILL 13 Seconds	DRILL 14 Seconds	DRILL 15 Seconds	DRILL 16 Seconds	DRILL 17 Seconds	DRILL 18 Seconds	DRILL 19 Seconds	DRILL 20 Seconds
2										
3										
4										
5										
6										
7										
8										
9										
TABLE	DRILL 21 Seconds	DRILL 22 Seconds	DRILL 23 Seconds	DRILL 24 Seconds	DRILL 25 Seconds	DRILL 26 Seconds	DRILL 27 Seconds	DRILL 28 Seconds	DRILL 29 Seconds	DRILL 30 Seconds
2										
3										
4										
5										
6										
7										
8										
9										