

Within-20 Practice Pack

Addition & Subtraction Fluency for Age 6

Ten-Frame Reference

- A ten-frame is a 2x5 grid that holds 10 dots
- For numbers above 10, use two ten-frames
- Practice seeing complements to 10: 7 dots = 3 empty spaces

Make-10 Strategy

- $9 + 4$: $9 + 1 = 10$, then 3 more = 13
- $8 + 6$: $8 + 2 = 10$, then 4 more = 14
- $7 + 5$: $7 + 3 = 10$, then 2 more = 12
- $6 + 7$: $6 + 4 = 10$, then 3 more = 13
- $9 + 8$: $9 + 1 = 10$, then 7 more = 17

Doubles Facts

- $1+1=2$ | $2+2=4$ | $3+3=6$ | $4+4=8$ | $5+5=10$
- $6+6=12$ | $7+7=14$ | $8+8=16$ | $9+9=18$ | $10+10=20$

Daily 10-Minute Routine

- 0–2 min: Doubles drill (under 2 sec each)
- 2–5 min: Strategy practice (3–5 problems, say thinking aloud)
- 5–8 min: Play a fluency game
- 8–10 min: Review 5 mastered facts, end on a success

Weekly Focus Schedule

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- Week 1–2: Doubles and near-doubles
- Week 3–4: Make-10 for addition
- Week 5–6: Subtraction as missing addend
- Week 7–8: Decomposition for subtraction
- Week 9+: Mixed review of all strategies

Progress Tracker

- Doubles facts fluent (under 2 sec)
- Near-doubles fluent
- Make-10 addition fluent
- Subtraction within 10 fluent
- Subtraction crossing 10 fluent
- All facts within 20 fluent (under 3 sec)

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