

SCORING: D = Developing (0-1) | A = Approaching (2) | P = Proficient (3) | E = Exemplary (4)

Part A: Draw a Bar Model and Write an Equation

1. Sam: $14 + 23 = 37$ marbles

Bar model: $14 \mid 23 \rightarrow 37$ total

2. Cookies: $17 + 15 = 32$ cookies

Bar model: $17 \mid 15 \rightarrow 32$ total

Part B: Two-Step Addition Word Problems

3. Lily: $12 + 8 + 5 = 25$ apples

Step 1: $12+8=20$; Step 2: $20+5=25$

4. Accept any two-step addition problem with correct solution

Look for: clear question, two addition steps, correct answer

Part C: Explain Your Strategy

Accept: drawing pictures, number line, bar model, mental math

Key: student explains HOW they solved, not just the answer

Look for: regrouping awareness when ones sum > 9

E.g., $14+23$: $4+3=7$ ones, $1+2=3$ tens $\rightarrow 37$

Scoring Guide for Page 1

D: Cannot set up addition equation from word problem

A: Sets up equation but makes computation errors

P: Correctly solves one-step and two-step addition word problems

E: Solves all correctly AND explains strategy clearly with bar models

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Part A: Comparison Word Problems

1. Jake vs Mia: $34 - 19 = 15$ more stickers

Bar model: Jake 34 | Mia 19 | difference 15

2. Birds: $42 - 17 = 25$ birds left

Regroup: $42-17$, borrow from tens: $12-7=5$, $3-1=2 \rightarrow 25$

Part B: Two-Step Problems with Subtraction

3. Accept problems combining add/subtract in two steps

E.g., Maria has 45, gives 12 away, gets 8 back: $45-12+8=41$

4. Accept any correctly structured multi-step problem

Look for: reasonable numbers, clear question, correct solution

Part C: Draw and Explain

Accept: number line jumps, base-ten block drawings, bar models

Student should show regrouping when needed

Scoring Guide for Page 2

D: Cannot identify subtraction as the needed operation

A: Identifies operation but makes regrouping errors

P: Correctly solves comparison and take-away subtraction problems

E: Solves all correctly with clear models and strategy explanations

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Part A: Speed Round Answers

1. $7+8=15$

2. $15-6=9$

3. $9+4=13$

4. $13-7=6$

5. $6+9=15$

6. $18-9=9$

7. $8+5=13$

8. $14-8=6$

9. $7+7=14$

10. $16-9=7$

11. $5+9=14$

12. $11-4=7$

13. $8+8=16$

14. $17-8=9$

15. $6+7=13$

16. $12-5=7$

17. $9+9=18$

18. $20-7=13$

19. $4+8=12$

20. $15-9=6$

21. $8+6=14$ 22. $13-5=8$ 23. $7+9=16$ 24. $11-3=8$ 25. $9+8=17$

26. $20-6=14$ 27. $5+8=13$ 28. $12-7=5$ 29. $6+6=12$ 30. $19-5=14$

Fluency Benchmarks

D: Fewer than 15 correct in 3 minutes; relies on counting fingers

A: 15-22 correct in 3 minutes; uses some strategies

P: 23-28 correct in 3 minutes; fluent with most facts

E: 29-30 correct in under 2 minutes; automatic recall

Part B: Mental Math Strategy Answers (Page 4)**Make a Ten Strategy**

1. $8+5: 8+2+3 = 10+3 = 13$ (given example)

2. $7+6: 7+3+3 = 10+3 = 13$

3. $9+4: 9+1+3 = 10+3 = 13$

4. $8+7: 8+2+5 = 10+5 = 15$

Doubles and Near Doubles

1. $6+6=12$, so $6+7=13$ 2. $8+8=16$, so $8+9=17$

3. $7+7=14$, so $7+8=15$ 4. $9+9=18$, so $9+10=19$

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Part C: Fact Families (from Page 4)

Family 1: $7+8=15$, $8+7=15$, $15-7=8$, $15-8=7$

Family 2: $6+9=15$, $9+6=15$, $15-6=9$, $15-9=6$

Family 3: Accept any valid fact family within 20

Page 5: Mixed Operations Word Problems (Week 16)

1. Pet Store: $28 - 13 + 9 = 24$ fish

Step 1: $28-13=15$; Step 2: $15+9=24$

2. Library: $15 - 7 - 4 = 4$ books

Step 1: $15-7=8$; Step 2: $8-4=4$

3. Accept any valid two-step problem with correct solution

Must show work for both steps

Page 6: Choose the Operation (Week 16)

1. Emma crayons: ADD $\rightarrow 35+18 = 53$

2. Apples eaten: SUBTRACT $\rightarrow 42-16 = 26$

3. Kids on bus: ADD $\rightarrow 27+14 = 41$

4. Dad nails: SUBTRACT $\rightarrow 50-23 = 27$

Scoring Guide

D: Cannot identify correct operation; major computation errors

A: Identifies operation but inconsistent with multi-step problems

P: Correctly identifies operations and solves with minor errors

E: All correct with clear work shown and strategy explanations

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Page 7: Odd and Even Numbers**7 = ODD (3 pairs + 1 left over)****12 = EVEN (6 pairs, none left over)****15 = ODD (7 pairs + 1 left over)****20 = EVEN (10 pairs, none left over)****9 = ODD (4 pairs + 1 left over)****14 = EVEN (7 pairs, none left over)****Even + Even = Even Odd + Odd = Even Even + Odd = Odd****Page 8: Unit Review & Reflection****Part A: Quick Review****1. $8+7=15$ 2. $16-9=7$ 3. $34+25=59$** **4. $50-18=32$ 5. $9+6=15$ 6. $14-8=6$** **Part B: Multi-Step Problem****Farmer: $36+27=63$ birds total, then $63-15=48$ birds left***Step 1: add chickens+ducks; Step 2: subtract birds that flew away***Reflection (accept all thoughtful responses)***No single correct answer for reflections. Look for genuine self-assessment and specific examples of learning or areas for growth.*