

## LESSON 1, WARM-UP

- a. 30
- b. 44
- c. 63
- d. 15
- e. 35
- f. 18

### Patterns

Final digits: **0, 2, 4, 6, 8**

Not final digits: **1, 3, 5, 7, 9**

## LESSON 1, LESSON PRACTICE

- a.  $5 + 6 = 11$
- b.  $6 + 5 = 11$
- c.  $8 + 0 = 8$
- d.  $4 + 8 + 6 = 18$
- e.  $4 + 5 + 6 = 15$
- f. Pattern: Some + some more = total  
 Problem: 5 laps + 8 laps = **13 laps**
- g.  $2 + 4 = 6$   
 $4 + 2 = 6$
- h.  $1 + 3 + 5 = 9$ ,  
 $1 + 5 + 3 = 9$ ,  
 $3 + 1 + 5 = 9$ ,  
 $3 + 5 + 1 = 9$ ,  
 $5 + 1 + 3 = 9$ ,  
 $5 + 3 + 1 = 9$
- i. Since  $7 + 3 = 10$ ,  $N = 3$
- j. Since  $4 + 8 = 12$ ,  $A = 4$

## LESSON 1, MIXED PRACTICE

- 1. Pattern:  $\begin{array}{r} \text{Some} \\ + \text{Some more} \\ \hline \text{Total} \end{array}$   
 Problem:  $\begin{array}{r} 5 \text{ singers} \\ + 7 \text{ singers} \\ \hline 12 \text{ singers} \end{array}$
- 2. Pattern: Some + some more = total  
 Problem: 6 coins + 3 coins = **9 coins**
- 3.  $9 + 4 = 13$
- 4.  $8 + 2 = 10$
- 5.  $\begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$   
 $N = 5$
- 6.  $\begin{array}{r} 3 \\ + 5 \\ \hline 8 \end{array}$   
 $W = 3$
- 7.  $\begin{array}{r} 6 \\ + 2 \\ \hline 8 \end{array}$   
 $P = 2$
- 8.  $\begin{array}{r} 0 \\ + 8 \\ \hline 8 \end{array}$   
 $Q = 0$
- 9.  $3 + 4 + 5 = 12$
- 10.  $4 + 4 + 4 = 12$
- 11.  $6 + 4 = 10$   
 $R = 4$
- 12.  $1 + 5 = 6$   
 $X = 1$
- 13.  $\begin{array}{r} 5 \\ 5 \\ + 5 \\ \hline 15 \end{array}$

## LESSON 2, WARM-UP

$$\begin{array}{r} 14. \quad 8 \\ \quad 0 \\ \quad + 7 \\ \hline \quad 15 \end{array}$$

$$\begin{array}{r} 15. \quad 6 \\ \quad 5 \\ \quad + 4 \\ \hline \quad 15 \end{array}$$

$$\begin{array}{r} 16. \quad 9 \\ \quad 9 \\ \quad + 9 \\ \hline \quad 27 \end{array}$$

$$\begin{array}{r} 17. \quad 1 \\ \quad + 9 \\ \hline \quad 10 \\ M = 1 \end{array}$$

$$\begin{array}{r} 18. \quad 9 \\ \quad + 3 \\ \hline \quad 12 \\ F = 3 \end{array}$$

$$\begin{array}{r} 19. \quad 5 \\ \quad + 5 \\ \hline \quad 10 \\ Z = 5 \end{array}$$

$$\begin{array}{r} 20. \quad 0 \\ \quad + 3 \\ \hline \quad 3 \\ N = 3 \end{array}$$

21.  $3 + 2 + 5 + 4 + 6 = 20$

22.  $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$

23.  $6 + 3 = 9$  or  $3 + 6 = 9$

24. One possibility:  $4 + 5 + 2 = 11$

25.  $2 + 3 + 4 = 9,$   
 $2 + 4 + 3 = 9,$   
 $3 + 2 + 4 = 9,$   
 $3 + 4 + 2 = 9,$   
 $4 + 2 + 3 = 9,$   
 $4 + 3 + 2 = 9$

26. B. 7

a. 50

b. 36

c. 49

d. 17

e. 19

f. 73

### Patterns

Final digits: 0, 5

Numbers in both lists: 10, 20, 30, 40, 50,  
60, 70, 80, 90, 100

## LESSON 2, LESSON PRACTICE

a.  $10 + A = 17$   
 $10 + 7 = 17$   
 $A = 7$

b.  $B + 11 = 12$   
 $1 + 11 = 12$   
 $B = 1$

c.  $14 + C = 20$   
 $14 + 6 = 20$   
 $C = 6$

## LESSON 2, MIXED PRACTICE

1. Pattern: Some + some more = total  
Problem: 5 carrots + 6 carrots = 11 carrots

2. Pattern: Some + some more = total  
Problem: 7 miles + 4 miles = 11 miles

3.  $9 + 4 = 13$   
 $N = 4$

4.  $7 + 8 = 15$

# LESSONS AND INVESTIGATIONS

$$\begin{array}{r} 5. \quad 7 \\ + 6 \\ \hline 13 \\ P = 7 \end{array}$$

$$\begin{array}{r} 6. \quad 7 \\ + 5 \\ \hline 12 \\ W = 5 \end{array}$$

$$\begin{array}{r} 7. \quad 4 \\ \quad 8 \\ + 5 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 8. \quad 9 \\ \quad 3 \\ + 7 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 9. \quad 11 \\ + 5 \\ \hline 16 \\ B = 5 \end{array}$$

$$\begin{array}{r} 10. \quad 9 \\ \quad 7 \\ + 3 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 11. \quad 2 \\ \quad 6 \\ + 9 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 12. \quad 3 \\ \quad 8 \\ + 2 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 13. \quad 9 \\ \quad 5 \\ + 3 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 14. \quad 6 \\ + 3 \\ \hline 9 \\ M = 3 \end{array}$$

$$\begin{array}{r} 15. \quad 8 \\ + 1 \\ \hline 9 \\ Q = 1 \end{array}$$

$$\begin{array}{r} 16. \quad 5 \\ + 2 \\ \hline 7 \\ R = 2 \end{array}$$

$$\begin{array}{r} 17. \quad 8 \\ + 2 \\ \hline 10 \\ T = 2 \end{array}$$

$$\begin{array}{r} 18. \quad 8 \\ \quad 4 \\ + 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 19. \quad 9 \\ + 2 \\ \hline 11 \\ X = 2 \end{array}$$

$$\begin{array}{r} 20. \quad 5 \\ \quad 2 \\ + 6 \\ \hline 13 \end{array}$$

$$21. \quad 20 + 3 = 23 \\ X = 3$$

$$22. \quad 4 + 5 + 6 = 15, \\ 4 + 6 + 5 = 15, \\ 5 + 4 + 6 = 15; \\ 5 + 6 + 4 = 15, \\ 6 + 4 + 5 = 15, \\ 6 + 5 + 4 = 15$$

$$23. \quad 4 + 3 = 7 \text{ or } 3 + 4 = 7$$

$$24. \quad 5 + 2 = 7 \text{ or } 2 + 5 = 7$$

$$25. \quad \text{One possibility: } 4 + 2 + 5 = 11$$

$$26. \quad A. 4$$

# SOLUTIONS

## LESSON 3, WARM-UP

- a. 40
- b. 43
- c. 53
- d. 54
- e. 80
- f. 75
- g. 35; 42; 64

### Vocabulary

$$\boxed{\text{addend}} + \boxed{\text{addend}} = \boxed{\text{sum}}$$

$$\begin{array}{r} \boxed{\text{addend}} \\ + \boxed{\text{addend}} \\ \hline \boxed{\text{sum}} \end{array}$$

## LESSON 3, LESSON PRACTICE

- a. The rule is "Count down by ones."  
6, 5, 4
- b. The rule is "Count up by threes."  
15, 18, 21
- c. The rule is "Count down by tens."  
60
- d. The rule is "Count up by fours."  
12
- e. 2 digits
- f. 4 digits
- g. 10 digits
- h. 9
- i. 1
- j. 0

## LESSON 3, MIXED PRACTICE

1. Pattern:  $\begin{array}{r} \text{Some} \\ \text{Some more} \\ + \text{Some more} \\ \hline \text{Total} \end{array}$   
Problem:  $\begin{array}{r} 5 \text{ dollars} \\ 6 \text{ dollars} \\ + 7 \text{ dollars} \\ \hline 18 \text{ dollars} \end{array}$
2. Pattern:  $\text{Some} + \text{some more} = \text{total}$   
Problem:  $9 \text{ songs} + 8 \text{ songs} = 17 \text{ songs}$
3. (a) 3 digits  
(b) 3 digits  
(c) 9 digits
4. (a) 7  
(b) 0  
(c) 9
5.  $9 + 3 = 12$   
 $M = 3$
6.  $10 + 6 = 16$   
 $W = 6$
7. The rule is "Count up by tens."  
40
8. The rule is "Count down by ones."  
19
9. The rule is "Count down by fives."  
20
10. The rule is "Count up by tens."  
100
11. The rule is "Count up by sixes."  
24, 30, 36
12. The rule is "Count up by threes."  
12, 15, 18
13. The rule is "Count up by fours."  
16, 20, 24

# LESSONS AND INVESTIGATIONS

## LESSON 4, WARM-UP

14. The rule is "Count down by nines."

18, 9, 0

15. The rule is "Count up by fours."

16

16. The rule is "Count up by sixes."

24

17. The rule is "Count down by fives."

20

18. The rule is "Count up by threes."

12

19. 2, 4, 6, 8, 10, 12, 14, 16

16 small rectangles

20. 4, 8, 12, 16, 20, 24

24 X's

21. One possibility:  $3 + 6 + 4 = 13$

$$\begin{array}{r} 4 \\ 8 \\ 7 \\ + 5 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 9 \\ 5 \\ 7 \\ + 8 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 8 \\ 4 \\ 7 \\ + 2 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 2 \\ 9 \\ 7 \\ + 5 \\ \hline 23 \end{array}$$

26. D. 7

a. 76

b. 49

c. 86

d. 68

e. 26

f. 70

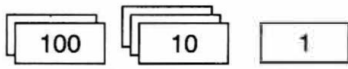
g. 75; 48; 67

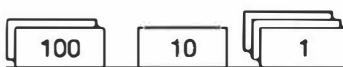
### Problem Solving

Number of Coins

| Left | Right |
|------|-------|
| 0    | 9     |
| 1    | 8     |
| 2    | 7     |
| 3    | 6     |
| 4    | 5     |
| 5    | 4     |
| 6    | 3     |
| 7    | 2     |
| 8    | 1     |
| 9    | 0     |

## LESSON 4, LESSON PRACTICE

a.   
2 hundreds 3 tens 1 one

b.   
2 hundreds 1 ten 3 ones

\$213 is less than \$231

c. (a) Ones

(b) Tens

(c) Hundreds

d. 523

# SOLUTIONS

## LESSON 4, MIXED PRACTICE

1. Pattern:     Some  
                  Some more  
                  Some more  
                  + Some more  
                  Total

Problem:     3 cards  
              4 cards  
              5 cards  
              + 1 cards  
              **13 cards**

2.  $6 + 6 = 12$

3. 5¢, 10¢, 15¢, 20¢  
**20 cents**

4.     4  
   + 8  
   —  
   12  
N = 8

5.     4  
      5  
   + 3  
   —  
   12

6.     13  
   + 6  
   —  
   19  
Y = 6

7.     7  
   + 7  
   —  
   14  
S = 7

8.  $9 + 3 = 12$   
   N = 3

9.  $3 + 5 = 8$   
   N = 3

10. The rule is "Count up by threes."  
**18, 21, 24**

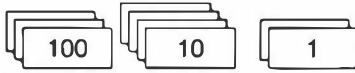
11. The rule is "Count down by sixes."  
**12, 6, 0**

12. The rule is "Count up by fours."  
**24, 28, 32**

13. The rule is "Count down by sevens."  
**14, 7, 0**

14. (a) **5 digits**  
     (b) **7 digits**  
     (c) **6 digits**

15. (a) **4**  
     (b) **7**  
     (c) **3**

16.   
**3 hundreds 4 tens 2 ones**

17. 4 hundreds, 3 tens, 4 ones  
**\$434**

18. The rule is "Count up by sixes."  
**30**

19. The rule is "Count down by fours."  
**28**

20. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20  
**20 ears**

21. **Tens**

22.  $5 + 6 = 11$  or  $6 + 5 = 11$

23.  $16 + 4 = 20$   
   N = 4

24.  $19 + 6 = 25$   
   B = 6

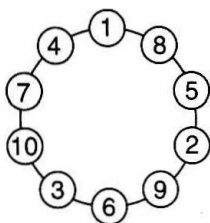
25.  $6 + 7 + 8 = 21$ ,  
      $6 + 8 + 7 = 21$ ,  
      $7 + 6 + 8 = 21$ ,  
      $7 + 8 + 6 = 21$ ,  
      $8 + 6 + 7 = 21$ ,  
      $8 + 7 + 6 = 21$

26. **A. 1**

## LESSON 5, WARM-UP

- a. 84
- b. 46
- c. 92
- d. 63
- e. 90
- f. 27; 86; 53

### Patterns



## LESSON 5, LESSON PRACTICE

- a. 
 Kiyoko  
 Kayla
   

 third
 eighth
  
**4 people**
- b. Sample answer: 5/12/1993
- c. 7/4/(year)

## LESSON 5, MIXED PRACTICE

1. Pattern:     Some  
                   Some more  
                   + Some more  
                   -----  
                   Total
- Problem:     5 people  
                   6 people  
                   + 4 people  
                   -----  
                   15 people

2. 
$$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \\ X = 7 \end{array}$$

3. 
$$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \\ Y = 6 \end{array}$$

4. 
$$\begin{array}{r} 8 \\ + 4 \\ \hline 12 \\ Z = 4 \end{array}$$

5. 
$$\begin{array}{r} 7 \\ + 6 \\ \hline 13 \\ N = 6 \end{array}$$

6. 
$$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \\ W = 3 \end{array}$$

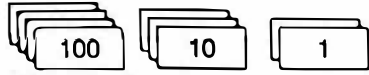
7. 
$$\begin{array}{r} 2 \\ + 5 \\ \hline 7 \\ A = 5 \end{array}$$

8. 
$$\begin{array}{r} 6 \\ + 5 \\ \hline 11 \\ R = 6 \end{array}$$

9. 
$$\begin{array}{r} 3 \\ + 2 \\ \hline 5 \\ T = 2 \end{array}$$

10. August 15, 1993
11. The rule is "Count up by threes."  
21, 24, 27
12. The rule is "Count up by fours."  
28, 32, 36
13. The rule is "Count up by sevens."  
49, 56, 63
14. The rule is "Count up by sixes."  
36
15. The rule is "Count up by fives."  
35

# SOLUTIONS

16.   
4 hundreds 3 tens 2 ones

17.  $5 + 5 + 5 = 15$

18. Hundreds

19. 235

20. The rule is "Count up by threes."  
3, 6, 9, 12

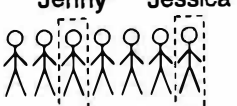
21. 2, 4, 6, 8, 10, 12, 14  
14 eyes

22. 
$$\begin{array}{r} 5 \\ 8 \\ 4 \\ 7 \\ 4 \\ + 3 \\ \hline 31 \end{array}$$

23. 
$$\begin{array}{r} 5 \\ 7 \\ 3 \\ 8 \\ 4 \\ + 2 \\ \hline 29 \end{array}$$

24. 
$$\begin{array}{r} 9 \\ 7 \\ 6 \\ 5 \\ 4 \\ + 2 \\ \hline 33 \end{array}$$

25. 
$$\begin{array}{r} 8 \\ 7 \\ 3 \\ 5 \\ 4 \\ + 9 \\ \hline 36 \end{array}$$

26.   
third seventh

A. 3

## LESSON 6, WARM-UP

- a. 43
- b. 42
- c. 56
- d. 55
- e. 75
- f. 74

### Problem Solving

**Number of Coins**

| Left | Right |
|------|-------|
| 2    | 7     |
| 3    | 6     |
| 4    | 5     |
| 5    | 4     |
| 6    | 3     |
| 7    | 2     |

## LESSON 6, LESSON PRACTICE

a. 
$$\begin{array}{r} 14 \\ - 8 \\ \hline 6 \end{array}$$
 check:  $6 + 8 = 14$

b. 
$$\begin{array}{r} 9 \\ - 3 \\ \hline 6 \end{array}$$
 check:  $6 + 3 = 9$

c. 
$$\begin{array}{r} 15 \\ - 7 \\ \hline 8 \end{array}$$
 check:  $8 + 7 = 15$

d. 
$$\begin{array}{r} 11 \\ - 4 \\ \hline 7 \end{array}$$
 check:  $7 + 4 = 11$

e. 
$$\begin{array}{r} 12 \\ - 5 \\ \hline 7 \end{array}$$
 check:  $7 + 5 = 12$

f. 
$$\begin{array}{r} 5 + 6 = 11 \\ 6 + 5 = 11 \\ 11 - 6 = 5 \\ 11 - 5 = 6 \end{array}$$

- g. **Sample answer:** We can check a subtraction answer by adding the difference to the number subtracted. For example, we can check  $7 - 3 = 4$  by adding  $4 + 3 = 7$ .

## LESSON 6, MIXED PRACTICE

1. 
$$\begin{array}{r} 14 \\ - 5 \\ \hline 9 \end{array}$$

2. 
$$\begin{array}{r} 15 \\ - 8 \\ \hline 7 \end{array}$$

3. 
$$\begin{array}{r} 9 \\ - 4 \\ \hline 5 \end{array}$$

4. 
$$\begin{array}{r} 11 \\ - 7 \\ \hline 4 \end{array}$$

5. 
$$\begin{array}{r} 12 \\ - 8 \\ \hline 4 \end{array}$$

6. 
$$\begin{array}{r} 11 \\ - 6 \\ \hline 5 \end{array}$$

7. 
$$\begin{array}{r} 15 \\ - 7 \\ \hline 8 \end{array}$$

8. 
$$\begin{array}{r} 9 \\ - 6 \\ \hline 3 \end{array}$$

9. 
$$\begin{array}{r} 13 \\ - 5 \\ \hline 8 \end{array}$$

10. 
$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$$

11. 
$$\begin{array}{r} 8 \\ + 9 \\ \hline 17 \\ N = 9 \end{array}$$

12. 
$$\begin{array}{r} 6 \\ + 8 \\ \hline 14 \\ A = 6 \end{array}$$

13.  $3 + 8 = 11$   
 $W = 8$

14.  $5 + 8 = 13$   
 $M = 8$

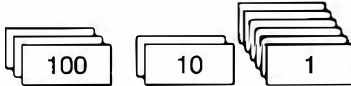
15.  $4 + 6 = 10$   
 $6 + 4 = 10$   
 $10 - 4 = 6$   
 $10 - 6 = 4$

16. The rule is "Count up by twos."  
**22, 24, 26**

17. The rule is "Count up by sevens."  
**42, 49, 56**

18. The rule is "Count up by fours."  
**32, 36, 40**

19. The tenth month of the year is October.  
October has **31 days**.

20.   
**3 hundreds 2 tens 6 ones**

21. **Ones**

22.  $6 + 7 = 13$   
 $N = 7$

23.  $8 + 8 = 16$   
 $A = 8$

24.  $17 + 3 = 20$   
 $M = 3$

25.  $3 + 4 + 5 = 12,$   
 $3 + 5 + 4 = 12,$   
 $4 + 3 + 5 = 12,$   
 $4 + 5 + 3 = 12,$   
 $5 + 3 + 4 = 12,$   
 $5 + 4 + 3 = 12$

# SOLUTIONS

26. Pattern:    Some  
              + Some more  
              -----  
              Total

Problem:    2 children  
              + 3 children  
              -----  
              5 children

C.  $2 + 3 = 5$

i. 524

j. 860

k. One hundred, three tens, and two ones is 132.  
**One hundred thirty-two**

## LESSON 7, WARM-UP

a. 37

b. 53

c. 96

d. 83

e. 96

f. 68

### Patterns

- (a) Since 24 months after January is January, 25 months after January is **February**.  
(b) Twenty-four months before Valentine's Day is in February. Twenty-two months before Valentine's Day is two months after that, which is **April**.

## LESSON 7, LESSON PRACTICE

a. Zero

b. Eighty-one

c. Ninety-nine

d. Five hundred fifteen

e. Four hundred forty-four

f. Nine hundred nine

g. 19

h. 91

## LESSON 7, MIXED PRACTICE

1. Pattern: Some + some more = total  
Problem: 8 dollars + 6 dollars = **14 dollars**

2. Pattern: Some + some more = total  
Problem: 8 ounces + 8 ounces = **16 ounces**

3.  $7 + 4 = 11$   
 $N = 4$

4.  $8 + 7 = 15$   
 $N = 7$

5. 
$$\begin{array}{r} 13 \\ - 5 \\ \hline 8 \end{array}$$

6. 
$$\begin{array}{r} 16 \\ - 8 \\ \hline 8 \end{array}$$

7. 
$$\begin{array}{r} 13 \\ - 7 \\ \hline 6 \end{array}$$

8. 
$$\begin{array}{r} 12 \\ - 8 \\ \hline 4 \end{array}$$

9. 214

10. 532

11. Three hundred one

12. Three hundred twenty

13. Three hundreds, one ten, and two ones is 312.  
**Three hundred twelve**

# LESSONS AND INVESTIGATIONS

14.  $3 + 5 = 8$  or  $5 + 3 = 8$

c. 57

15. The rule is "Count up by sixes."  
30, 36, 42

d. 94

16. The rule is "Count up by threes."  
24, 27, 30

e. 90

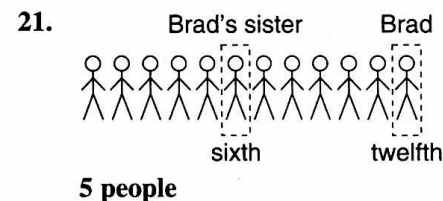
17. The rule is "Count up by sevens."  
49

f. 89

18. The rule is "Count up by eights."  
48

19. 3 hundreds, 0 tens, 3 ones  
\$303

20.  $7 + 8 = 15$   
 $8 + 7 = 15$   
 $15 - 7 = 8$   
 $15 - 8 = 7$



22. 5¢, 10¢, 15¢, 20¢, 25¢, 30¢  
30 cents

23.  $4 + 7 + 8 + 5 + 4 = 28$

24.  $2 + 3 + 5 + 8 + 5 = 23$

25.  $5 + 8 + 6 + 4 + 3 + 7 + 2 = 35$

26.  $12 - 5 = 7$  is a subtraction fact for the fact family 5, 7, and 12.  
 $7 + 5 = 12$  is an addition fact for the fact family 5, 7, and 12.  
A.  $7 + 5 = 12$

## Problem Solving

Number of Coins

| Left | Right |
|------|-------|
| 2    | 7     |
| 3    | 6     |
| 4    | 5     |

## LESSON 8, LESSON PRACTICE

a.  $\begin{array}{r} \$53 \\ + \$6 \\ \hline \$59 \end{array}$

b.  $\begin{array}{r} \$14 \\ + \$75 \\ \hline \$89 \end{array}$

c.  $\begin{array}{r} \$36 \\ + \$42 \\ \hline \$78 \end{array}$

d.  $\begin{array}{r} \$27 \\ + \$51 \\ \hline \$78 \end{array}$

e.  $\begin{array}{r} \$15 \\ + \$21 \\ \hline \$36 \end{array}$

f.  $\begin{array}{r} \$32 \\ + \$6 \\ \hline \$38 \end{array}$

## LESSON 8, WARM-UP

a. 65

b. 72

## LESSON 8, MIXED PRACTICE

1. 343

2. 307

# SOLUTIONS

3. Five hundred ninety-two

$$\begin{array}{r} 6 \\ + 6 \\ \hline 12 \\ N = 6 \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \\ R = 3 \end{array}$$

$$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \\ T = 6 \end{array}$$

$$\begin{array}{r} 8 \\ + 5 \\ \hline 13 \\ N = 5 \end{array}$$

$$\begin{array}{r} \$25 \\ + \$14 \\ \hline \$39 \end{array}$$

$$\begin{array}{r} \$85 \\ + \$14 \\ \hline \$99 \end{array}$$

$$\begin{array}{r} \$22 \\ + \$6 \\ \hline \$28 \end{array}$$

$$\begin{array}{r} \$40 \\ + \$38 \\ \hline \$78 \end{array}$$

$$\begin{array}{r} 13 \\ - 9 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 17 \\ - 5 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 17 \\ - 8 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 14 \\ - 6 \\ \hline 8 \end{array}$$

$$\begin{array}{r} \text{Pattern:} \quad \text{Some} \\ + \text{Some more} \\ \hline \text{Total} \end{array}$$

$$\begin{array}{r} \text{Problem:} \quad \$23 \\ + \$42 \\ \hline \$65 \end{array}$$

17. One hundred and eight ones is 108.  
**One hundred eight**

18. 8/5/94

19. The rule is "Count up by threes."  
21, 24, 27

20. The rule is "Count up by sevens."  
49, 56, 63

$$\begin{array}{r} 5 \\ 8 \\ 7 \\ 6 \\ 4 \\ + 3 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 9 \\ 7 \\ 6 \\ 4 \\ 8 \\ + 7 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 2 \\ 5 \\ 7 \\ 3 \\ 5 \\ + 4 \\ \hline 26 \end{array}$$

$$\begin{array}{l} 24. \quad 5 + 6 + 7 = 18, \\ \quad \quad 5 + 7 + 6 = 18, \\ \quad \quad 6 + 5 + 7 = 18, \\ \quad \quad 6 + 7 + 5 = 18, \\ \quad \quad 7 + 5 + 6 = 18, \\ \quad \quad 7 + 6 + 5 = 18 \end{array}$$

25.  $7 + 8 = 15$   
 $8 + 7 = 15$   
 $15 - 7 = 8$   
 $15 - 8 = 7$

26.  $7 + \diamond = 15$   
 $7 + 8 = 15$ , so  $\diamond = 8$   
 $8 - 7 \neq 15$ , so  $\diamond - 7 = 15$  is not true  
 A.  $\diamond - 7 = 15$

d. 
$$\begin{array}{r} \phantom{0}^1 \\ 68 \\ + 24 \\ \hline 92 \end{array}$$

e. 
$$\begin{array}{r} \phantom{0}^1 \\ \$59 \\ + \$8 \\ \hline \$67 \end{array}$$

f. 
$$\begin{array}{r} \phantom{0}^1 \\ 46 \\ + 25 \\ \hline 71 \end{array}$$

---

## LESSON 9, WARM-UP

a. 56

b. 55

c. 67

d. 66

e. 44

f. 43

### Patterns

10 days after Saturday: Count forward by 7 days and then by 3 days: **Tuesday**.

10 days before Saturday: Count backward by 7 days and then by 3 days: **Wednesday**.

70 days after Saturday: Count up by 7's to 70. There are no days "left over," so 70 days after Saturday is **Saturday**.

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## LESSON 9, LESSON PRACTICE

a. 
$$\begin{array}{r} \phantom{0}^1 \\ \$36 \\ + \$29 \\ \hline \$65 \end{array}$$

b. 
$$\begin{array}{r} \phantom{0}^1 \\ \$47 \\ + \$8 \\ \hline \$55 \end{array}$$

c. 
$$\begin{array}{r} \phantom{0}^1 \\ \$57 \\ + \$13 \\ \hline \$70 \end{array}$$

## LESSON 9, MIXED PRACTICE

1. 613

2. 901

3. Nine hundred forty-one

4. 
$$\begin{array}{r} \phantom{0}^6 \\ + 5 \\ \hline 11 \\ F = 5 \end{array}$$

5. 
$$\begin{array}{r} \phantom{0}^7 \\ + 6 \\ \hline 13 \\ G = 6 \end{array}$$

6. 
$$\begin{array}{r} \phantom{0}^4 \\ + 11 \\ \hline 15 \\ H = 4 \end{array}$$

7. 
$$\begin{array}{r} \phantom{0}^9 \\ + 7 \\ \hline 16 \\ N = 7 \end{array}$$

8. 
$$\begin{array}{r} \phantom{0}^1 \\ 33 \\ + 8 \\ \hline 41 \end{array}$$

9. 
$$\begin{array}{r} \phantom{0}^1 \\ \$47 \\ + \$18 \\ \hline \$65 \end{array}$$

# SOLUTIONS

$$\begin{array}{r} 10. \quad \overset{1}{27} \\ + 69 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 11. \quad \overset{1}{\$49} \\ + \$25 \\ \hline \$74 \end{array}$$

$$\begin{array}{r} 12. \quad 17 \\ - 8 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 13. \quad 12 \\ - 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 14. \quad 9 \\ - 7 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 15. \quad 13 \\ - 6 \\ \hline 7 \end{array}$$

16. Sum

17. Difference

18. The twelfth month is December. Two months after December is **February**.

19. The rule is "Count up by sixes."  
**48, 54, 60**

20. The rule is "Count up by sevens."  
**49, 56, 63**

21. 8

$$\begin{array}{r} 22. \quad \overset{1}{28} \\ + 6 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 23. \quad \overset{1}{\$47} \\ + \$28 \\ \hline \$75 \end{array}$$

$$\begin{array}{r} 24. \quad \overset{1}{35} \\ + 27 \\ \hline 62 \end{array}$$

25. Pattern:  $\begin{array}{r} \text{Some} \\ + \text{Some more} \\ \hline \text{Total} \end{array}$

Problem:  $\begin{array}{r} \$28 \\ + \$17 \\ \hline \$45 \end{array}$

$$\$28 + \$17 = \$45$$

26. One hundred and three tens is 130.  
**D. 130**

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## LESSON 10, WARM-UP

a. 37

b. 55

c. 52

d. 44

e. 65

f. 64

### Problem Solving

Terrell has 7 coins in his right pocket and 3 coins in his left pocket.

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## LESSON 10, LESSON PRACTICE

a. Odd

b. Even

c. Odd

d. Even

e. 630, 632, 634, 636, 638

## LESSON 10, MIXED PRACTICE

1. 542

2. 619

3.  $4 + 7 = 11$

$7 + 4 = 11$

$11 - 4 = 7$

$11 - 7 = 4$

4. Nine hundred three

5. Seven hundred forty-six

6. 501, 503, 505, 507, 509

7. 
$$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \\ N = 7 \end{array}$$

8. 
$$\begin{array}{r} 7 \\ + 6 \\ \hline 13 \\ P = 7 \end{array}$$

9. 
$$\begin{array}{r} 12 \\ + 2 \\ \hline 14 \\ Q = 2 \end{array}$$

10. 
$$\begin{array}{r} 6 \\ + 5 \\ \hline 11 \\ R = 6 \end{array}$$

11. 
$$\begin{array}{r} 15 \\ - 7 \\ \hline 8 \end{array}$$

12. 
$$\begin{array}{r} 14 \\ - 7 \\ \hline 7 \end{array}$$

13. 
$$\begin{array}{r} 17 \\ - 8 \\ \hline 9 \end{array}$$

14. 
$$\begin{array}{r} 11 \\ - 6 \\ \hline 5 \end{array}$$

15. 
$$\begin{array}{r} \$25 \\ + \$38 \\ \hline \$63 \end{array}$$

16. 
$$\begin{array}{r} \$19 \\ + \$34 \\ \hline \$53 \end{array}$$

17. 
$$\begin{array}{r} 42 \\ + 8 \\ \hline 50 \end{array}$$

18. 
$$\begin{array}{r} 17 \\ + 49 \\ \hline 66 \end{array}$$

19. The rule is "Count up by threes."  
27, 30, 33

20. The rule is "Count up by sixes."  
6, 12, 18, 24, 30, 36, 42, 48

21. Pattern: 
$$\begin{array}{r} \text{Some} \\ + \text{Some more} \\ \hline \text{Total} \end{array}$$

Problem: 
$$\begin{array}{r} \$6 \\ \$12 \\ + \$20 \\ \hline \$38 \end{array}$$

$\$6 + \$12 + \$20 = \$38$

22.  $2 + 3 + 5 + 7 + 8 + 4 + 5 = 34$ .

23. Sample answer: 9/22/2004 or 9/22/04

24. Two hundreds and three tens is 230.  
**Two hundred thirty**

25. The smallest three-digit number is 100. The largest two-digit even number is the largest even number less than 100, which is 98.

26.  $\Delta + 4 = 12$   
 $8 + 4 = 12$ , so  $\Delta = 8$   
 $12 + 4 \neq 8$ , so  $12 + 4 = \Delta$  is not true  
C.  $12 + 4 = \Delta$