

CONTENTS

Chapter 1 WHOLE NUMBERS

Pretest	1
Adding Whole Numbers	2
Subtracting Whole Numbers	4
Adding and Subtracting Whole Numbers	7
Using Order of Operations	8
Multiplication	9
Multiplying Whole Numbers	10
Exponents	13
Dividing Whole Numbers	14
Writing Whole Numbers	19
Rounding Whole Numbers	20
Order of Operations	21
Evaluating Mathematical Expressions	22
Division: Practical Applications	23
Challenge: Deciding When to Estimate	24
Posttest	26

Chapter 2 DECIMALS

Pretest	27
Place Value of Decimals	29
Comparing Decimals	30
Adding Money	32
Adding Money: Applications	35
Subtracting Money	37
Subtracting Decimals	38
Subtracting Money	39
Adding and Subtracting Money	40
Multiplying Money	41
Multiplying Decimals	43
Multiplying Money	44
Operations with Money	47
Dividing Money	49
Multiplying and Dividing Decimals	50
Operations with Money	51
Rounding Money	53
Operations Using Rounding	56
Rounding Money	57
Solving Equations by Addition and Subtraction	59
Challenge: Solving Multi-step Problems	61
Posttest	63

Chapter 3 FRACTIONS

Pretest	65
The Meaning of a Fraction	67
Representing Fractions	68
Equivalent Fractions	69
Reducing Fractions	70
Converting Mixed Numbers to Improper Fractions	71
Renaming Improper Fractions	72
Writing Fractions as Decimals	73

Writing Decimals as Fractions	75
Multiplying Fractions	76
Multiplying Fractions by Whole Numbers	78
Multiplying Mixed Numbers	79
Reciprocals	81
Dividing Fractions	82
Dividing Mixed Numbers	84
Solving Equations Using Multiplication and Division	85
Multiplying and Dividing Fractions	87
Finding Common Denominators	88
Comparing Fractions	89
Adding Fractions	90
Subtracting Fractions	92
Adding Mixed Numbers	93
Operations with Mixed Numbers	96
Subtracting Mixed Numbers	97
Operations with Fractions	100
Challenge: Solve Using a Simpler Problem	105
Posttest	107

Chapter 4 PERCENT

Pretest	109
Writing Percents as Decimals	111
Writing Decimals as Percents	112
Writing Percents as Fractions	113
Writing Fractions as Percents	114
Conversions	115
Percent of a Number	116
Percent of a Decimal	117
Finding Percents	118
Finding a Number When a Percent is Known	121
Percent of a Number: Sales Tax	123
Percent of a Number: Discount	124
Percent of a Number: Sales Price	125
Percent of a Number: Percent Increase	126
Computing Interest	127
Using Interest to Find the Principal	128
Calculating Down Payments	129
Buying on Credit	130
Problems Involving Percents	131
Challenge: Estimating with Percents	135
Posttest	137

CUMULATIVE REVIEW	139
-------------------	-----

Chapter 5 MEASUREMENT

Pretest	141
Estimating and Measuring Length	143
Choosing Suitable Units of Length	144
Metric-Metric Conversions of Length	146

Conversions of Customary Length	147
Adding Units of Length	148
Subtracting Units of Length	149
Multiplying Units of Length.	150
Perimeters.	151
Problems Using Units of Length.	152
Choosing Suitable Units of Weight.	153
Metric-Metric Conversions of Weight	154
Conversions of Customary Weight.	155
Problems Involving Units of Weight	156
Metric Units of Capacity.	157
Conversions of Customary Capacity	158
Conversion of Time Units.	159
Adding and Subtracting Units of Time	160
Computing Elapsed Time.	161
Finding Fractional Parts.	162
Reading a Thermometer	163
Using Units of Temperature	164
Posttest.	165

Chapter 6 GRAPHS AND FORMULAS

Pretest	167
Calculating Averages	169
Median	171
Mode.	173
Mean, Median, Mode.	174
Calculating Averages	175
Reading and Interpreting Bar Graphs.	176
Making Bar Graphs	178
Reading and Interpreting Line Graphs	179
Making Line Graphs	180
Reading and Interpreting Circle Graphs.	181
Reading and Interpreting Tables	183
Using Formulas	184
Writing Ratios	187
Unit Rates	188
Solving Proportions	189
Probability	193
Predictions	194
Independent Events.	195
Dependent Events.	196
Challenge: Problems Involving Different Units	197
Posttest.	199

Chapter 7 GEOMETRY

Pretest	201
Recognizing Plane Figures	203
Perimeters of Squares and Rectangles	204
Areas of Squares and Rectangles	205
Area of a Parallelogram.	206
Area of a Triangle	207
Area of a Right Triangle.	208
Radius and Diameter.	209
Circumference of a Circle	210
Area of a Circle	211

Problems Involving Area	212
Volume of a Box-shaped Figure.	213
Volume of a Cylinder	214
Types of Lines.	215
Identifying Types of Angles	216
Calculating Angle Measures.	217
Congruence and Similarity.	218
Angles of a Triangle.	219
Angles of a Quadrilateral	220
Finding Square Roots	221
The Pythagorean Rule.	222
Challenge: Surface Area of a Box-shaped Figure	223
Challenge: Surface Area of a Cylinder	224
Posttest.	225

Chapter 8 RATIONAL NUMBERS AND EQUATIONS

Pretest	227
The Number Line.	228
Adding with Arrows	229
Absolute Value and Adding Integers.	230
Adding More Than Two Integers	231
Adding Rational Numbers	232
Adding Integers and Rational Numbers: Mixed Applications.	233
Subtracting Integers	234
Subtracting Rational Numbers	235
Adding and Subtracting Rational and Mixed Numbers: Mixed Applications.	236
Multiplication of Integers	237
Division of Integers	238
Multiplication and Division of Rational Numbers	239
Solving Linear Equations by Adding and Subtracting Integers	240
Solving Linear Equations by Multiplying and Dividing Integers.	241
Solving Two-step Equations with Integers.	242
Using Equations for Situations Described in Words	243
Graphing Inequalities on the Number Line	244
Challenge: Compound Inequalities.	245
Posttest.	246

CUMULATIVE REVIEW	247
-----------------------------	-----

TEST	249
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PRETEST

Add.

1.
$$\begin{array}{r} 38 \\ +51 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 71 \\ +0 \\ \hline \end{array}$$

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

4.
$$\begin{array}{r} 28 \\ +33 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 185 \\ +349 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 61 \\ 93 \\ +28 \\ \hline \end{array}$$

7. $26 + 176 = \underline{\hspace{2cm}}$

Subtract.

8.
$$\begin{array}{r} 65 \\ -10 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 43 \\ -17 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 80 \\ -26 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 302 \\ -185 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 426 \\ -128 \\ \hline \end{array}$$

13. $93 - (52 - 1) = \underline{\hspace{2cm}}$

Multiply.

14.
$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 54 \\ \times 7 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 326 \\ \times 53 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 627 \\ \times 90 \\ \hline \end{array}$$

19. $23 \times 45 = \underline{\hspace{2cm}}$

Divide.

20. $2 \overline{)46}$

21. $7 \overline{)714}$

22. $18 \overline{)594}$

23. $23 \overline{)617}$

Simplify.

24. $3 + 4 \times 5$

25. $6(7-2) + 1$

26. Evaluate $2(a + b)$ for $a=2$, $b=5$

Raise to the power shown.

27. $6^2 = \underline{\hspace{2cm}}$

28. $5^3 = \underline{\hspace{2cm}}$

Round to the nearest hundred.

29. 341 $\underline{\hspace{2cm}}$

30. 587 $\underline{\hspace{2cm}}$

31. 1550 $\underline{\hspace{2cm}}$

Write the numbers.

32. Six thousand twenty $\underline{\hspace{2cm}}$

33. Twenty thousand two hundred twelve $\underline{\hspace{2cm}}$

ADDING WHOLE NUMBERS

EXAMPLES

$$\begin{array}{r} 907 \\ + 61 \\ \hline 968 \end{array}$$

$$\begin{array}{r} 352 \\ + 634 \\ \hline 986 \end{array}$$

Add units first; then tens; then hundreds.

Add.

1. $\begin{array}{r} 32 \\ +54 \\ \hline \end{array}$

2. $\begin{array}{r} 28 \\ +70 \\ \hline \end{array}$

3. $\begin{array}{r} 43 \\ +25 \\ \hline \end{array}$

4. $\begin{array}{r} 26 \\ +61 \\ \hline \end{array}$

5. $\begin{array}{r} 38 \\ +20 \\ \hline \end{array}$

6. $\begin{array}{r} 61 \\ +14 \\ \hline \end{array}$

7. $\begin{array}{r} 432 \\ +523 \\ \hline \end{array}$

8. $\begin{array}{r} 221 \\ +706 \\ \hline \end{array}$

9. $\begin{array}{r} 563 \\ +216 \\ \hline \end{array}$

10. $\begin{array}{r} 224 \\ +603 \\ \hline \end{array}$

11. $\begin{array}{r} 815 \\ +133 \\ \hline \end{array}$

12. $\begin{array}{r} 629 \\ +120 \\ \hline \end{array}$

13. $\begin{array}{r} 338 \\ + 60 \\ \hline \end{array}$

14. $\begin{array}{r} 8152 \\ + 743 \\ \hline \end{array}$

15. $\begin{array}{r} 252 \\ + 47 \\ \hline \end{array}$

16. $\begin{array}{r} 7123 \\ + 405 \\ \hline \end{array}$

17. $\begin{array}{r} 1813 \\ + 64 \\ \hline \end{array}$

18. $\begin{array}{r} 528 \\ + 70 \\ \hline \end{array}$

19. $\begin{array}{r} 4267 \\ +5112 \\ \hline \end{array}$

20. $\begin{array}{r} 7532 \\ +1436 \\ \hline \end{array}$

21. $\begin{array}{r} 2607 \\ +5181 \\ \hline \end{array}$

22. $\begin{array}{r} 6930 \\ +1036 \\ \hline \end{array}$

23. $\begin{array}{r} 4812 \\ +1065 \\ \hline \end{array}$

24. $\begin{array}{r} 8116 \\ +1753 \\ \hline \end{array}$

25. Last year, the Madison School Library contained 7843 books. This year 152 new books were purchased. How many books does the library contain now?

27. Ivan drove 2561 miles in April and 1137 in May. How many miles did he drive during the two months?

29. In 1998 the population of Canaan was 7030. Since then the population has increased by 759. What is the population now?

26. The Brightstar Shoe Store had 521 pairs of shoes in the stock room. During an inventory check, 223 were counted on the shelves. 14 more pairs were on display in the window. How many pairs of shoes did the Brightstar Shoe Store have in all?

28. The Corner Store had 305 cases of soup on hand when 72 cases were delivered. How many cases does the store now have?

30. The Card Store sold 4231 baseball cards last month and 2037 this month. How many cards were sold in both months combined?

ADDING WHOLE NUMBERS

EXAMPLES

$$\begin{array}{r} 397 \\ +625 \\ \hline 1022 \end{array}$$

Whenever the sum of a column is a two-digit number, you have to carry.

Add.

1. $\begin{array}{r} 75 \\ +98 \\ \hline \end{array}$

2. $\begin{array}{r} 34 \\ +29 \\ \hline \end{array}$

3. $\begin{array}{r} 68 \\ +13 \\ \hline \end{array}$

4. $\begin{array}{r} 77 \\ +47 \\ \hline \end{array}$

5. $\begin{array}{r} 846 \\ +93 \\ \hline \end{array}$

6. $\begin{array}{r} 68 \\ +896 \\ \hline \end{array}$

7. $\begin{array}{r} 864 \\ +219 \\ \hline \end{array}$

8. $\begin{array}{r} 718 \\ +198 \\ \hline \end{array}$

9. $\begin{array}{r} 957 \\ +483 \\ \hline \end{array}$

10. $\begin{array}{r} 6596 \\ +481 \\ \hline \end{array}$

11. $\begin{array}{r} 9309 \\ +792 \\ \hline \end{array}$

12. $\begin{array}{r} 28 \\ +1988 \\ \hline \end{array}$

13. $\begin{array}{r} 6475 \\ +9825 \\ \hline \end{array}$

14. $\begin{array}{r} 4728 \\ +7188 \\ \hline \end{array}$

15. $\begin{array}{r} 7405 \\ +6913 \\ \hline \end{array}$

16. $\begin{array}{r} 98,163 \\ +4,192 \\ \hline \end{array}$

17. $\begin{array}{r} 5,591 \\ +26,259 \\ \hline \end{array}$

18. $\begin{array}{r} 89,842 \\ +6,457 \\ \hline \end{array}$

19. $\begin{array}{r} 38 \\ 49 \\ +75 \\ \hline \end{array}$

20. $\begin{array}{r} 76 \\ 19 \\ +67 \\ \hline \end{array}$

21. $\begin{array}{r} 196 \\ 87 \\ +123 \\ \hline \end{array}$

22. $\begin{array}{r} 309 \\ 80 \\ +911 \\ \hline \end{array}$

23. $\begin{array}{r} 3864 \\ 619 \\ +4719 \\ \hline \end{array}$

24. $\begin{array}{r} 5607 \\ 9216 \\ +422 \\ \hline \end{array}$

25. The Farmer's market sold 875 pounds of potatoes on Monday, 723 on Tuesday, and 567 on Wednesday. How many pounds were sold on the three days together?

27. Simsbury is 569 miles east of Gainsville. Fairview is 277 miles east of Simsbury. How far is it from Gainsville to Simsbury?

29. The Simsbury Public Library has 40,728 books. Fairview has 35,206; Gainsville has 40,619. Which town's library has the most books?

26. The Red Barons hit 187 home runs last year and 209 home runs this year. How many home runs were hit in both years together?

28. The populations of three cities are: Simsbury has 24,308; Fairview has 19,436; Gainsville has 6,289. What is the total population of the three cities?

30. What is the total number of books in the libraries of the three towns?

SUBTRACTING WHOLE NUMBERS

EXAMPLES

$$\begin{array}{r} 6579 \\ - 372 \\ \hline 6207 \end{array}$$

$$\begin{array}{r} 9876 \\ - 5314 \\ \hline 4562 \end{array}$$

Subtract starting with the units column.

Subtract.

1.
$$\begin{array}{r} 39 \\ - 7 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 28 \\ - 5 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 26 \\ - 4 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 57 \\ - 4 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 48 \\ - 32 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 69 \\ - 15 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 561 \\ - 30 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 197 \\ - 71 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 385 \\ - 43 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 761 \\ - 31 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 879 \\ - 533 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 438 \\ - 313 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 7645 \\ - 224 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 4857 \\ - 204 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 8793 \\ - 670 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 9740 \\ - 6320 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 1986 \\ - 1471 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 7885 \\ - 4804 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 89,654 \\ - 23,142 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 81,457 \\ - 60,317 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 39,628 \\ - 22,312 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 65,948 \\ - 41,726 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 84,196 \\ - 73,042 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 47,478 \\ - 25,158 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 917,684 \\ - 13,602 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 752,873 \\ - 40,351 \\ \hline \end{array}$$

27.
$$\begin{array}{r} 959,928 \\ - 431,805 \\ \hline \end{array}$$

28.
$$\begin{array}{r} 716,885 \\ - 603,271 \\ \hline \end{array}$$

29.
$$\begin{array}{r} 991,283 \\ - 371,062 \\ \hline \end{array}$$

30.
$$\begin{array}{r} 417,983 \\ - 311,780 \\ \hline \end{array}$$

31. Mary Lou's car weighs 2997 lbs. Jason's car weighs 1752 lbs. How much more does Mary Lou's car weigh than Jason's?

33. The Earthman Excavation Co. dug out 5628 tons of dirt on Tuesday and 3210 tons on Wednesday. How much more earth did the company dig on Tuesday?

35. The tallest building in Bigtown is 987 ft high. The tallest building in Smalltown is 426 ft. How much taller is the tallest building in Bigtown?

32. The Moving Company van traveled 587 miles on Monday and 444 on Tuesday. How much farther did it travel on Monday?

34. Jason wrote a novel with 48,765 words and two years later a novel with 38,705 words. How many more words were in the first novel than the second?

36. The Newton High basketball team scored 1528 points last season and 1739 this season. How many more points were scored last season than this season?

SUBTRACTING WHOLE NUMBERS

EXAMPLES 6 13

$$\begin{array}{r} 73 \\ -58 \\ \hline \end{array}$$

← Since 8 is larger than 3, you have to borrow.

$$\begin{array}{r} 15 \\ \hline \end{array}$$

Subtract.

1.
$$\begin{array}{r} 85 \\ -48 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 93 \\ -25 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 72 \\ -37 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 47 \\ -39 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 66 \\ -37 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 264 \\ -38 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 636 \\ -72 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 128 \\ -73 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 237 \\ -72 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 342 \\ -37 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 129 \\ -47 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 275 \\ -38 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 631 \\ -294 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 416 \\ -189 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 744 \\ -376 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 823 \\ -346 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 3121 \\ -647 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 1157 \\ -289 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 3625 \\ -646 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 4251 \\ -883 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 5254 \\ -2798 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 4346 \\ -3548 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 6526 \\ -5759 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 8535 \\ -3978 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 25,331 \\ -8,273 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 24,522 \\ -7,837 \\ \hline \end{array}$$

27.
$$\begin{array}{r} 25,433 \\ -6,847 \\ \hline \end{array}$$

28.
$$\begin{array}{r} 22,415 \\ -13,827 \\ \hline \end{array}$$

29.
$$\begin{array}{r} 16,532 \\ -6,568 \\ \hline \end{array}$$

30.
$$\begin{array}{r} 63,283 \\ -5,619 \\ \hline \end{array}$$

31. The Sears Tower in Chicago is 1454 ft tall. The World Trade Center tower in New York is 1368 ft tall. How much taller is the Sears Tower?

33. The highest mountain in Alaska is 20,320 ft high. Mt. Whitney in California is 14,494 ft high. How much higher is the highest mountain in Alaska than Mt. Whitney?

35. Australia has an area of 2,966,200 sq mi. The United States has an area of 3,787,319 sq mi. Which country is larger?

32. Alaska has an area of 656,424 sq mi. Texas has an area of 266,807 sq mi. How much greater is the area of Alaska than the area of Texas?

34. In 1850 the population of New York City was 696,115. In 1990 the population was 7,322,564. By how much did the population increase in those 140 years?

36. Mt. Everest is 29,018 ft high. Mt. Godwin Austen, the second highest mountain in the world, is 28,250 ft high. How much higher is Mt. Everest?

SUBTRACTING WHOLE NUMBERS

REMEMBER:

Place the larger number on top before subtracting.

EXAMPLES Subtract 18 from 26.

$$\begin{array}{r} 1\ 16 \\ 26 \\ - 18 \\ \hline 8 \end{array}$$

Subtract.

- From 200 subtract 152. _____
- From 237 subtract 74. _____
- From 9153 take 2847. _____
- From 37,450 take 15,958. _____
- Take 63 from 325. _____
- From 2000 take 405. _____
- Subtract 2,059 from 37,235. _____
- Take 69 from 400. _____
- From 9514 take 7352. _____
- Subtract 306 from 1583. _____
- Take 369 from 492. _____
- Decrease 650 by 189. _____
- Take 600 from 1647. _____
- Decrease 8654 by 8195. _____
- Find the difference between 69,224 and 41,400. _____
- Find the difference between 811,257 and 39,001. _____
- The difference between two numbers is 55. One of the numbers is 203. The other number is either _____ or _____
- Two numbers together total 13,509. One of the numbers is 6,987. Find the other number. _____
- Find a number that is 67 less than 290. _____
- Find a number that is 178 more than 593. _____
- In 1960, John F. Kennedy won the presidential election over Richard M. Nixon. Kennedy had 34,226,731 votes. Nixon had 34,108,157. How many more votes did Kennedy have than Nixon? _____
- In 1992, Bill Clinton had 44,908,254 votes; George Bush had 39,102,343; and Ross Perot had 19,741,065 votes. Taken together, how many more votes did Bush and Perot have than Clinton? _____

ADDING AND SUBTRACTING WHOLE NUMBERS

REMEMBER:

If you think the answer should be more than both numbers, add numbers. Otherwise, subtract.

1. Judith Stein hiked 35 miles in 2 days. On Monday, she hiked 19 miles. How far did she hike on Tuesday? (hint: It is less than 35 miles, so you must subtract.)

Answer: _____

2. The Music Department staged a spring concert. 427 people heard the concert on April 2. 498 people came on April 3. What was the total audience for the two nights?

Answer: _____

Elena Romano's bowling score was 231. Angela Austin bowled 149.

3. By how many pins did Elena beat Angela?

Answer: _____

4. What was their total combined score?

Answer: _____

A bike usually sells for \$150. This week, it is on sale for \$127. A light is \$17 extra.

5. Mary buys the bike on sale. How much does she save?

Answer: _____

6. Sue buys the bike on sale. She also buys a light. How much does she spend?

Answer: _____

Last Friday night, Zach Shooter scored 27 points, Freddie Frenzie scored 19 points, and Ty Dupp scored 12 points.

7. How many points did they score all together?

Answer: _____

8. How many more points did Zack score than Ty?

Answer: _____

Rocky Ramirez was a baseball player for 2 years.

The first year, he had 98 hits. The second year, he had 129 hits.

9. How many hits did he have in 2 years?

Answer: _____

10. How many more hits does he need to have 1000.

Answer: _____