## Chapter 1 Whole Numbers

## Section 1.1 Introduction to Whole Numbers

1. counting
2. 0
3. periods
4. standard
5. place value
6. trillions
7. word
8. expanded
9. graph
10. bar graph, line graph
11. The digit 8 is the fourth digit from the right. It is in the thousands place.
12. The digit 8 is the second digit from the right. It is in the tens place.
13. The digit 8 is the eighth digit from the right. It is in the ten-millions place.
14. The digit 8 is the sixth digit from the right. It is in the hundred-thousands place.
15. The digit 8 is the third digit from the right. It is in the hundreds place.
16. The digit 8 is the fifth digit from the right. It is in the ten-thousands place.
17. The digit 8 is the first digit from the right. It is in the ones place.
18. The digit 8 is the seventh digit from the right. It is in the millions place.
19. The digit 8 is the ninth digit from the right. It is in the hundred-millions place.
20. The digit 8 is the tenth digit from the right. It is in the billions place.
21. The hundreds place is the third place from the right. The digit is 7 .
22. The ten-thousands place is the fifth place from the right. The digit is 1.
23. The hundred-thousands place is the sixth place from the right. The digit is 8 .
24. The ones place is the first place from the right. The digit is 5 .
25. The billions place is the tenth place from the right. The digit is the 3 .
26. The millions place is the seventh place from the right. The digit is 9 .
27. The tens place is the second place from the right. The digit is 2 .
28. The thousands place is the fourth place from the right. The digit is 6 .
29. The hundred-millions place is the ninth place from the right. The digit is 4 .
30. The ten-millions place is the eighth place from the right. The digit is 0 .
31. In word form, the number 472,500 is written as four hundred seventy-two thousand, five hundred.
32. In word form, the number 79 is written as seventy-nine.
33. In word form, the number 93,206 is written as ninety-three thousand, two hundred six.
34. In word form, the number $10,000,015$ can be written as ten-million, fifteen.
35. In word form, the number 1651 can be written as one thousand, six hundred fifty one.
36. In word form, the number 632 can be written as six hundred thirty two.
37. Two thousand fifty-five is written in standard form as 2055.
38. Four hundred seventy-one is written in standard form as 471.
39. Five hundred ninety-nine million, six hundred sixteen thousand, four hundred twenty three can be written as 599,616,423.
40. Four thousand, one hundred thirty-five miles can be written as 4135 .
41. Thirty-nine million, four hundred ten thousand can be written in standard form as $39,410,000$.
42. Fifty-two thousand, three hundred sixty-seven can be written in standard form as 52,367.
43. Eighty-three billion, six hundred thousand, twelve can be written in standard form as 83,000,600,012.
44. One million, four hundred two thousand, eighty-one can be written in standard form as $1,402,081$.
45. $300,000+40,000+2000+500+60+3$ can be written in standard form as 342,563 .
46. $5000+500+50+1$ can be written in standard form as 5551 .
47. $7,000,000+900,000+5000+300+70+7$ can be written in standard form as $7,905,377$.
48. $4,000,000+500,000+7000+200+9$ can be written in standard form as $4,507,209$.
49. In expanded form, $2,510,036$ is written as $2,000,000+500,000+10,000+30+6$
50. In expanded form, 8004 is written as $8000+4$.
51. In expanded form, 629 is written as $600+20+9$.
52. In expanded form, 63,907 is written as $60,000+3000+900+7$.
53. In expanded form, 603,138 is written as $600,000+3000+100+30+8$
54. In expanded form, 17 is written as $10+7$.
55. 


a) $3<5$
b) $4>3$
c) $5>1$
56.

a) $3>2$
b) $5<8$
c) $2<5$
57.

a) $22>4$
b) $8<11$
c) $11<22$
58.

a) $12<31$
b) $23<40$
c) $31<40$
59.

a) $86>64$
b) $64>24$
c) $24>10$
60.

a) $27<73$
b) $98>15$
c) $15<73$
61. $34>0$, since 34 is to the right of 0 .
62. $0<56$, since 0 is to the left of 56 .
63. $45<54$, since 45 is to the left of 54 .
64. $72>27$, since 72 is to the right of 27 .
65. $300>299$, since 300 is to the right of 299 .
66. $175>155$, since 175 is to the right of 155 .
67. $30,000<300,000$, since 30,000 is to the left of 300,000 .
68. $2100>2001$, since 2100 is to the right of 2001 .
69. $50,101<51,010$, since 50,101 is to the left of 51,010 .
70. $630,020<632,202$, since 630,020 is to the left of 632,202 .
71. According to the graph India had 81,000,000 Internet users in 2012.
72. According to the graph, there were $101,000,000$ Internet users in Japan in 2012.
73. According to the graph, France had the fewest Internet users in 2012.
74. According to the graph, Brazil had more Internet users in 2012 than Russia.
75. According to the graph, the longest river in Canada is the Mackenzie.
76. According to the graph, the St. Lawrence River is the 3058 kilometers long.
77. According to the graph, the Nelson River is 2575 km long.
78. According to the graph, the Yukon River is longer than the Nelson River.
79. According to the graph, in 2014 Guardians of the Galaxy took in the smallest amount in box office receipts.
80. According to the graph, The Avengers had box office receipts of $\$ 623,000,000$.
81. According to the graph, in 2014 Guardian of the Galaxy had box office receipts of $\$ 315,000,000$.
82. According to the graph, The Hunger Games had higher gross box office receipts than Toy Story 3.
83. According to the graph, the minimum wage has increased over the time period.
84. According to the graph, the minimum wage in 1990 was 380 cents or $\$ 3.80$.
85. According to the graph, the largest increase occurred from 1990 to 2010.
86. According to the graph, in 1950 the minimum wage was 75 cents.
87. According to the chart, Web Site Design had the highest score.
88. According to the chart, product pricing had a satisfaction score of 7 .
89. Since each line in the chart represents a multiple of 2 , then the web security score is 4 .
90. According to the chart, people are not satisfied with shipping costs.
91. According to the charts, the Power Tools site had a higher score than the Electronics site.
92. According to the chart, Web Site Design had a score of 3.
93. According to the charts, the Power Tool site had an overall score of 38 and the Electronics site had a score of 37 .
94. According to the chart, people are satisfied with the security of the site.
95. According to the table, in 2006 females had an average score of 502.
96. According to the table, in 2004 males earned the highest average score.
97. According to the table, in 2008 males had a higher average score than females.
98. According to the table, in 2008 and 2010 males recorded an identical average score.
99. According to the table, in 2010 public colleges cost $\$ 8174$.
100. According to the table, in 2012 private colleges cost $\$ 25,593$.
101. According to the table, in 2011 public colleges had a cost of $\$ 8557$.
102. According to the table, the cost of public and private colleges never decreased from one year to the next.
103. In expanded form 1124 can be written as $1000+100+20+4$.
104. In expanded form 186,282 can be written as $100,000+80,000+6000+200+80+2$.
105. Thirty-four billion, three hundred fifty-nine million, seven hundred thirty-eight thousand, three hundred seventy-eight can be written in standard form as $34,359,738,378$.
106. One billion, seventy-three million, seven hundred forty-one thousand, eight hundred twenty-four can be written in standard form as $1,073,741,824$.
107. In word form, the number $423,000,000,000$ can be written as four hundred twenty-three billion.
108. In word form, the number $98,700,000$ can be written as ninety-eight million, seven hundred thousand.
109. The truck driver earns more since 41,804 is to the right of 41,627 on a number line.
110. The white dish has fewer bacteria since $12,678,453$ is to the left of $12,687,435$ on a number line.

## Section 1.2 Adding and Subtracting Whole Numbers; Perimeter

1. addends
2. sum.
3. Yes,
4. commutative
5. associative
6. identity
7. addition
8. minuend, subtrahend
9. difference
10. No
11. identity
12. subtraction
13. solution
14. solutions
15. 11
$+\underline{17}$
28
16. 34
$+\underline{21}$
55
17. 534
$+\quad 65$
599
18. 742
$+\quad 56$
798
19. 624
$+\underline{261}$
885
20. 322
$+\underline{516}$
838
21. 7511
$+\quad 357$
7868
22. 2128
$+\quad 671$ 2799

1
23. 3748
$+\underline{4124}$
7872
1
3352
24. $\begin{array}{r}3352 \\ +\underline{539} \\ \hline\end{array}$

4891
11
25. $\begin{array}{r}16,491 \\ +\frac{10,573}{27,064}\end{array}$

|  | 111 |
| :---: | :---: |
| 26. | 12,458 |
|  | +23,975 |
|  | 36,433 |
| 27. | 111 |
|  | 28,529 |
|  | +53,298 |
|  | 81,827 |
| 28. | 1111 |
|  | 340,982 |
|  | + 72,099 |
|  | 413,081 |
| 29. | 111 |
|  | 409,377 |
|  | +654,782 |
|  | 1,064,159 |
| 30. | 1111 |
|  | 500,809 |
|  | +499,765 |
|  | 1,000,574 |
| 31. | 230 |
|  | 5602 |
|  | $+\underline{3135}$ |
|  | 8967 |
| 32. | 112 |
|  | 528 |
|  | 6377 |
|  | + 8327 |
|  | 15,232 |
| 33. | 112 |
|  | 10,669 |
|  | 45,127 |
|  | +32,255 |
|  | 88,051 |
| 34. | 121 |
|  | 73,417 |
|  | 56,830 |
|  | +22,804 |
|  | 153,051 |

35. Commutative Property
36. Commutative Property
37. Identity Property
38. Identity Property
39. Associative Property
40. Associative Property
41. 66
42. 83
43. 70
44. 92

24
45. $-\underline{11}$

13
55
46. $-\underline{31}$

24
468
47. $-\frac{37}{431}$

282
48. -61

221
1769
49. -347

1422
3857
50. $-\underline{554}$

3303
3672
51. $-\underline{3521}$

151
8175
52. $-\underline{8042}$

133
53. $\begin{array}{r}214 \\ 55 \not 2 \nexists 4 \\ -\frac{3218}{2316}\end{array}$
54. $64 \not 2 \not 21$
-3327
3125
514211
56, 4 $4 \neq 1$
$-23,526$
711317
81,647
56.

- 58,329

23,318
71212
45, 8872
$-\frac{-14,399}{31,433}$

0171312817
1884, 29才7
58.

- 98,428

85,869
416
59.

517,076 6
-416,029
101,027
613610
87’², 87/ø
60.
-649,335
224,535
29917
8007
61.

- 389

2618
59914
60044
62.
$-\frac{576}{5428}$

|  | 3991513 |
| :---: | :---: |
| 63. | 40, 0688 |
|  | -22,378 |
|  | 17,685 |
| 64. | 69913 |
|  | 7¢0, ¢876 |
|  | - 67,873 |
|  | 2163 |
| 65. | 09916913 |
|  |  |
|  | - 89,827 |
|  | 10,876 |
| 66. | 39910912 |
|  | A $4 \varnothing \varnothing$, Х $\varnothing 27$ |
|  | - 398,516 |
|  | 1586 |

67. The corresponding mathematical expression is $22+57$, which results in $\$ 79$.
68. The corresponding mathematical expression is $107-39$, which results in 68 songs.
69. The corresponding mathematical expression is 793 - 54 , which results in 739 photos.
70. The corresponding mathematical expression is $1011+873$, which results in 1884 toothpicks.
71. The corresponding mathematical expression is $62-19$, which results in 43 eggs.
72. The corresponding mathematical expression is $13+89+104$, which results in 206 cell phone minutes.
73. The corresponding mathematical expression is $1200+300$, which results in 1500 patients.
74. The corresponding mathematical expression is $107-89$, which results in 18 degrees.
75. The corresponding mathematical expression is $645-3$, which results in 642 DVDs.
76. The corresponding mathematical expression is 185 - 58 , which results in 127 plates.
77. The corresponding mathematical expression is $39+71$, which results in 110 web pages.
78. The corresponding mathematical expression is $539+267$, which results in 806 downloads.
79. The solution is 9 because $9-3=6$ is a true statement.
80. The solution is 4 because $5+4=9$ is a true statement.
81. The solution is 3 because $8-3=5$ is a true statement.
82. The solution is 3 because $3+7=10$ is a true statement.
83. The solution is 20 because $20+14=34$ is a true statement.
84. The solution is 10 because $24-10=14$ is a true statement.
85. The solution is 27 because $87-60=27$ is a true statement.
86. The solution is 89 because $31+58=89$ is a true statement.
87. The solution is 151 because $151-10=141$ is a true statement.
88. The solution is 47 because $53+47=100$ is a true statement.
89. The solution is 27 because $80+27=107$ is a true statement.
90. The solution is 72 because $84-12=72$ is a true statement.
91. The solution is 529 because $150+379=529$ is true statement.
92. The solution is 116 because $116-102=14$ is a true statement.
93. The perimeter is $13+20+23=56$ feet.
94. The perimeter is $18+18+11+11=58$ inches.
95. The perimeter is $5+9+3+12+6=35 \mathrm{~cm}$.
96. The perimeter is $7+7+7+10+8=39$ miles.
97. The perimeter is $14+13+10+7+4+6=54$ miles.
98. The perimeter is $25+10+13+13+12+23=96 \mathrm{~cm}$.
99. The perimeter is $8+21+18+5+10+16=78$ inches.
100. The perimeter is $22+26+15+14+37+40=154$ feet.
101. $16-4=12$; Therefore, the iPhone camera has 12 megapixels.
102. $3+3=6$, The screen size of the Samsung phone is 6 inches.
103. $83-40=43$ Therefore, Gaedel's height is 43 inches.
104. $131+32=163$ Therefore, Groth's record serve is 163 mph .
105. $553+69=622$ deaths in 2011 and 2012.
106. $2,400,000-1,331,500=1,068,500$. Therefore, the difference between the largest and smallest number of fires is $1,068,500$.
107. $70+60=130$ Therefore, the iPhone 5 can withstand 130 pounds of pressure.
108. $150-60=90$. Therefore, the iPhone 6 can withstand 90 pounds of pressure.
109. $52-17=35$. Therefore, Gretzky was 17 years old when he began his professional career.
110. $40+32=72$. Therefore, the team scoring record is 72 points.
111. $722+380=1102$. Therefore, the bench shirt world record is 1102 pounds.
112. $9390-936=8454$. Therefore, the value of the Dow at the start of the day was 8454 .
113. $12,000,000-6,000,000=6,000,000$. In 2000 there were $6,000,000$ who received temporary assistance.
114. $4,000,000+1,000,000=5,000,000$. In 2004 there were $5,000,000$ who received temporary assistance.
115. $12,000,000-6,000,000=6,000,000$. Therefore, we must decrease the number of recipients by $6,000,000$.
116. $4,000,000+2,000,000=6,000,000$. In the year 2000 the number of recipients will be $6,000,000$.

## Sections 1.1 and 1.2 Checking Basic Concepts

1. a) The digit 3 is the fifth digit from the right. It is in the tens-thousand place.
b) The digit 3 is the third digit from the right. It is in the hundreds place.
2. In expanded form 74,293 can be written as $70,000+4000+200+90+3$.
3. Forty-eight million, two hundred thirty-nine thousand, six hundred ten can be written in standard form as $48,239,610$.
4. 


5. a) $67>25$ since 67 is to the right of 25 on the number line.
b) $15<51$ since 15 is to the left of 51 on the number line.

8. a) The corresponding mathematical expression is $97-45$, which results in 52 .
b) The corresponding mathematical expression is $106+73$, which results in 179 .
9. a) The solution is 5 because $3+5=8$ is a true statement.
b) The solution is 29 because $29-22=7$. is a true statement.
10. The perimeter is $28+26+20+14+8+12=108 \mathrm{~cm}$.

## Section 1.3 Multiplying and Dividing Whole Numbers; Area

1. addition
2. factors
3. product
4. commutative
5. associative
6. identity
7. zero
8. distributive
9. multiplication
10. subtraction
11. dividend, divisor
12. quotient
13. identity
14. 0 , undefined
15. long division
16. division
17. 1 square unit
18. area
19. Associative property
20. Associative property
21. Commutative property
22. Commutative property
23. Identity property
24. Identity property
25. Distributive property
26. Distributive property
27. Zero property
28. Zero property
29. $5 \cdot 6+5 \cdot 9$
30. $7 \cdot 2+7 \cdot 5$
31. $4 \cdot 8-4 \cdot 1$
32. $6 \cdot 9-6 \cdot 3$
33. $6 \cdot 3-2 \cdot 3$
34. $5 \cdot 4+7 \cdot 4$
35. $7 \times 1=7$
36. $0 \cdot 9=0$
37. $0 \cdot 5=0$
38. $1 \times 12=12$
39. $6(9)=54$
40. $(4)(8)=32$

5
48
41. $\times 7$

336
1
83
42. $\times \frac{5}{415}$

415
1
302
43.
$\begin{array}{r}6 \\ \hline\end{array}$
1812


57. 680,000
58. $3,200,000$
59. 1,500,000
60. 64,000
61. $9 \div 1=9$
62. $\frac{0}{4}=0$
63. $\frac{17}{17}=1$
64. $12 \div 0$ is undefined.
65. $88 \div 8=11$
66. $81 \div 9=9$
67. $\frac{25}{0}$ is undefined.
68. $\frac{72}{24}=3$
69. $0 \div 13=0$
70. $34 \div 1=34$
71. $391 \div 391=1$
72. $6 \longdiv { 3 5 4 }$

30
54
54
0
73. $6 \longdiv { 1 2 }$

6
12
$\underline{12}$
0
74. $\frac{1026}{1026}=1$
75. $7 \longdiv { 6 7 2 9 } \quad 9 6 1 r 2$ $\underline{63}$
42
42
9
7
2
76. $9 \longdiv { 5 8 1 2 } \quad 6 4 5 r 7$

54
41
36
52
45
7
77. $3 1 \longdiv { 2 4 8 7 } \quad 8 0 r 7$
$\underline{248}$
7
78. $5 3 \longdiv { 4 6 7 9 } \quad 8 8 r 1 5$

424
439
424
15
79. $3 0 \longdiv { 6 0 0 0 }$
$\underline{60}$
80. $2 0 \longdiv { 8 0 0 0 }$
$\underline{80}$
81. $9874 \div 0$ is undefined.
82. $\frac{0}{5430}=0$

[^0]89. The corresponding mathematical expression is $14 \cdot 3$, which is equivalent to 42 square feet.
90. The corresponding mathematical expression is $2 \cdot 50$, which is equivalent to 100 pounds.
91. The corresponding mathematical expression is $5 \cdot 15$, which is equivalent to $\$ 75$.
92. The corresponding mathematical expression is 31.65 , which is equivalent to 2015 text messages.
93. The corresponding mathematical expression is $126 \div 7$, which is equivalent to 18 miles per gallon.
94. The corresponding mathematical expression is $1200 \div 20$, which is equivalent to 60 boxes.
95. The corresponding mathematical expression is $75 \div 15$, which is equivalent to 5 days.
96. The corresponding mathematical expression is $516 \div 43$, which is equivalent to 12 people per table.
97. The solution is 3 since $12 \div 3=4$ is a true statement.
98. The solution is 3 since $3 \times 7=21$ is a true statement.
99. The solution is 8 since $5 \times 3=15$ is a true statement.
100. The solution is 4 since $16 \div 4=4$ is a true statement.
101. The solution is 50 since $50 \div 10=5$ is a true statement.
102. The solution is 20 since $5 \times 20=100$ is a true statement.
103. The solution is 6 since $6 \times 6=36$ is a true statement.
104. The solution is 27 since $27 \div 3=9$ is a true statement.
105. Area is $8 \times 5=40$ square inches.
106. Area is $18 \times 7=126$ square feet.
107. Area is $17 \times 17=289$ square miles.
108. Area is $50 \times 34=1700$ square yds.
109. Area is $90 \times 90=8100$ square feet.
110. Area is $78 \times 36=2808$ square feet.
111. $110 \times 3=330$. Therefore, the multiplier is 3 .
112. $7 \times 10=70$. Therefore, the state that has 7 times as many species is Virginia.
113. $3,000,000 \times 10=30,000,000$. The revenue is $\$ 30$ million.
114. $11,000,000 \times 10=110,000,000$ The revenue is $\$ 110$ million.
115. $11 \times 3=33$ The phone has 33 hours or talk time.
116. $4 \times 2=8$ The phone has an 8 inch screen.
117. $8 \times 8=64$ The result is 8 squares. $32 \times 2=64$ The board has 32 squares on one side.
118. $3 \times 3=9$ The result is 3 squares. The first player gets 5 turns and the second player gets 4 turns.
119. $125,000 \div 25=5000$. Therefore, the number of homes is 5000 .
120. $10 \div 2=5$. Therefore, Utah has 5 national forests.
121. $7 \cdot 0=0$. Therefore, 73 bottles of drinking water has 0 calories.
122. $3 \cdot 100=300$. Therefore, 3 cans of grape soda have 300 calories.
123. $600 \cdot 400=240,000$. Therefore, the total is 240,000 pixels.
124. $400 \cdot 300=120,000$. Therefore, the total is 120,000 pixels.
125. $16,000 \div 64=250$. Therefore, there are 250 songs per gigabyte.
126. $20,000 \div 16=1250$. Therefore, there are 1250 photos per gigabyte.
127. a) $150 \div 10=15$. Therefore, the length of a side is 15 feet.
b) Perimeter is $10+10+15+15=50$ feet.
128. $48 \div 8=6$. Therefore, the width is 6 inches.
129. $13 \div 2=6 r 1,13 \div 3=4 r 1,13 \div 4=3 r 1$. Therefore, the number is 13 .
130. $30 \div 6=5$, . Therefore, the number is 5 .
131. $20 \div 6=3 r 2$. Therefore, the maximum number of purchased flash drives is 3 . The person will receive $\$ 2$ in change.
132. $80 \div 16=5 r 0$. Therefore, the maximum number of purchased DVDs is 5 . The person will not receive any change.

## Group Activity

a). $400,000,000-2 \cdot 175,223,510=400,000,000-350,447,020=49,552,980$. Therefore, the total profit is $\$ 49,552,980$.
b). $175,223,510 \div 60=2,920,391 r 50$
c). $2,920,391 \div 60=48,673 r 11$
d) $48,673 \div 24=2028 r 1$
e) $2028 \div 365=5 r 203$
f) Taxes, possible shared winnings. Answers may vary.

## Section 1.4 Exponents, Variables, and Algebraic Expressions

1. exponential notation
2. 4,7
3. 2
4. 3
5. 9
6. $10^{7}$
7. variable
8. algebraic expression
9. equation
10. formula
11. $P=2 l+2 w$
12. $A=s^{2}$
13. evaluate
14. variable
15. expression
16. equation
17. The factor 8 is repeated 3 times. The exponential notation is $8^{3}$.
18. The factor 4 is repeated 6 times. The exponential notation is $4^{6}$.
19. The factor 2 is repeated 5 times. The exponential notation is $2^{5}$.
20. The factor 9 is repeated 2 times. The exponential notation is $9^{2}$.
21. The factor 2 is repeated 3 times and the factor 5 is repeated 2 times.

The exponential notation is $2^{3} \cdot 5^{2}$.
22. The factor 4 is repeated 2 times and the factor 6 is repeated 4 times.

The exponential notation is $4^{2} \cdot 6^{4}$.
23. The factor 5 is repeated 3 times and the factor 7 is repeated 3 times.

The exponential notation is $5^{3} \cdot 7^{3}$.
24. The factor 3 is repeated 1 time and the factor 9 is repeated 3 times.

The exponential notation is $3 \cdot 9^{3}$.
25. The factor 7 is repeated 2 times. The exponential notation is $7^{2}$.
26. The factor 5 is repeated 3 times. The exponential notation is $5^{3}$.
27. The factor 4 is repeated 9 times. The exponential notation is $4^{9}$.
28. The factor 1 is repeated 3 times. The exponential notation is $1^{3}$.
29. The factor 2 is repeated 3 times. The exponential notation is $2^{3}$.
30. The factor 10 is repeated 6 times. The exponential notation is $10^{6}$.
31. The factor 3 is repeated 5 times. The exponential notation is $3^{5}$.
32. The factor 8 is repeated 2 times. The exponential notation is $8^{2}$.
33. $9 \cdot 9=81$
34. $2 \cdot 2 \cdot 2=8$
35. $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2=32$
36. $3 \cdot 3 \cdot 3 \cdot 3=81$
37. $4 \cdot 4 \cdot 4 \cdot 4=256$
38. $7 \cdot 7 \cdot 7=343$
39. $6 \cdot 6 \cdot 6=216$
40. $5 \cdot 5 \cdot 5=125$
41. $10 \cdot 10 \cdot 10=1000$
42. $10 \cdot 10 \cdot 10 \cdot 10 \cdot 10 \cdot 10 \cdot 10=10,000,000$


[^0]:    83. $8 4 \longdiv { 1 0 , 6 5 1 } \quad 1 2 6 r 6 7$ 84 225 168 571

    504 67
    84. $9 9 \longdiv { 2 4 , 6 8 2 } \quad 2 4 9 r 3 1$ $\frac{198}{488}$ 396
    922
    891
    31
    85. $5 6 7 \longdiv { 3 6 , 8 5 5 }$ 3402 2835 $\underline{2835}$
    86. $9 4 3 \longdiv { 7 6 , 3 8 3 }$ 7544
    943

    943
    87. $7 9 1 \longdiv { 4 9 , 7 7 7 } \quad 6 2 r 7 3 5$ 4746
    2317
    1582
    735
    88. $6 6 5 \longdiv { 3 1 , 8 9 6 } \quad 4 7 r 6 4 1$

    | $\frac{2660}{5296}$ |
    | ---: |
    | 4655 |
    | 641 |

