Number Crunchers

Operations Practice

4th Grade

How much did you sell?

TUE Cups sold: 19

$$\begin{array}{r} 1 \\ 16\overline{)19} \\ -\,16 \\ \hline R{:}3 \end{array} \qquad \begin{array}{r} 0 \\ 4\overline{)3} \\ -\,0 \\ \hline R{:}3 \end{array}$$

1 Gal 0 Qt 3 C

WED Cups sold: 50

___Gal ___Qt ___C

THU Cups sold: 44

___Gal ___Qt ___C

FRI Cups sold: 170

___C

SAT Cups sold: 134

___Gal ___Qt ___C

___Gal ___Qt ___C

Conversion Box
Gal = Gallon
Qt = Quarts
C = Cups
1 Gal = 16 C
1 Qt = 4 C

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** Has an Answer Sheet*

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Riddle Me Math!

Multidigit **Addition**

Directions:
Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddles.

What can you catch and not throw? A C ___ ___ ___ .
1 2 3 4

1. 436 + 735 = 1171 (1)
2. 204 + 596 = ___
3. 825 + 481 = ___
4. 163 + 830 = ___

What kind of coat can only be put on when wet? A ___ ___ ___ ___
5 6 7 8

___ ___ ___ ___ ___ ___ ___ .
9 10 11 12 13 14 15

5. 673 + 349 = ___
6. 748 + 697 = ___
7. 119 + 250 = ___
8. 485 + 215 = ___
9. 729 + 164 = ___
10. 876 + 533 = ___
11. 903 + 203 = ___
12. 836 + 720 = ___
13. 585 + 499 = ___
14. 958 + 247 = ___
15. 333 + 138 = ___

A. 369	P. 1106	D. 993	I. 1084	A. 1556
O. 893	T. 471	N. 1205	C. 1022	L. 1306
F. 1409	~~C. 1171~~	O. 800	T. 700	O. 1445

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Riddle Me Math!

Multidigit **Subtraction**

Directions:
Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddles.

What can fill a room but takes up no space? L ___ ___ ___ ___.
1 2 3 4 5

1. $\begin{array}{r} 5\,13 \\ \cancel{6}\,\cancel{4}\,10 \\ -\,2\,6\,4 \\ \hline 3\,7\,6 \end{array}$

2. $\begin{array}{r} 8\,2\,9 \\ -\,1\,0\,0 \\ \hline \end{array}$

3. $\begin{array}{r} 4\,5\,5 \\ -\,2\,8\,3 \\ \hline \end{array}$

4. $\begin{array}{r} 9\,8\,8 \\ -\,5\,2\,7 \\ \hline \end{array}$

5. $\begin{array}{r} 2\,8\,4 \\ -\,2\,5\,9 \\ \hline \end{array}$

What has a foot on each side and one in the middle?

___ ___ ___ ___ ___ ___ ___ ___ ___.
6 7 8 9 10 11 12 13 14

6. $\begin{array}{r} 7\,2\,2 \\ -\,3\,4\,6 \\ \hline \end{array}$

7. $\begin{array}{r} 8\,2\,6 \\ -\,4\,6\,5 \\ \hline \end{array}$

8. $\begin{array}{r} 5\,6\,3 \\ -\,3\,7\,2 \\ \hline \end{array}$

9. $\begin{array}{r} 2\,7\,8 \\ -\,1\,3\,4 \\ \hline \end{array}$

10. $\begin{array}{r} 8\,5\,4 \\ -\,5\,2\,3 \\ \hline \end{array}$

11. $\begin{array}{r} 6\,9\,2 \\ -\,4\,8\,3 \\ \hline \end{array}$

12. $\begin{array}{r} 9\,0\,9 \\ -\,7\,3\,8 \\ \hline \end{array}$

13. $\begin{array}{r} 6\,5\,4 \\ -\,4\,2\,1 \\ \hline \end{array}$

14. $\begin{array}{r} 8\,4\,6 \\ -\,2\,8\,4 \\ \hline \end{array}$

Y. 376	K. 562	T. 209	~~L. 376~~	H. 461
T. 25	I. 729	A. 361	D. 144	I. 171
S. 331	R. 191	C. 233	G. 172	

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Riddle Me Math!

Multidigit **Addition** & **Subtraction**

Directions:
Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddle.

Whoever makes it, tells it not. Whoever takes it, knows it not. Whoever knows it, wants it not. What is it?

C										
1	2	3	4	5	6	7	8	9	10	11

12	13	14	15	16

.

1. $\begin{array}{r} {\scriptstyle 1\ 1} \\ 485 \\ +859 \\ \hline 1344 \end{array}$

2. $\begin{array}{r} 647 \\ -326 \\ \hline \end{array}$

3. $\begin{array}{r} 273 \\ +526 \\ \hline \end{array}$

4. $\begin{array}{r} 352 \\ -105 \\ \hline \end{array}$

5. $\begin{array}{r} 525 \\ +372 \\ \hline \end{array}$

6. $\begin{array}{r} 938 \\ -744 \\ \hline \end{array}$

7. $\begin{array}{r} 769 \\ +662 \\ \hline \end{array}$

8. $\begin{array}{r} 436 \\ -277 \\ \hline \end{array}$

9. $\begin{array}{r} 273 \\ +488 \\ \hline \end{array}$

10. $\begin{array}{r} 825 \\ -562 \\ \hline \end{array}$

11. $\begin{array}{r} 348 \\ +743 \\ \hline \end{array}$

12. $\begin{array}{r} 783 \\ -321 \\ \hline \end{array}$

13. $\begin{array}{r} 637 \\ +185 \\ \hline \end{array}$

14. $\begin{array}{r} 709 \\ -437 \\ \hline \end{array}$

15. $\begin{array}{r} 261 \\ +575 \\ \hline \end{array}$

16. $\begin{array}{r} 975 \\ -418 \\ \hline \end{array}$

E. 836	F. 159	E. 194	M. 462	~~C. 1344~~	E. 761
O. 321	N. 272	T. 1091	Y. 557	N. 247	
T. 897	I. 263	U. 799	R. 1431	O. 822	

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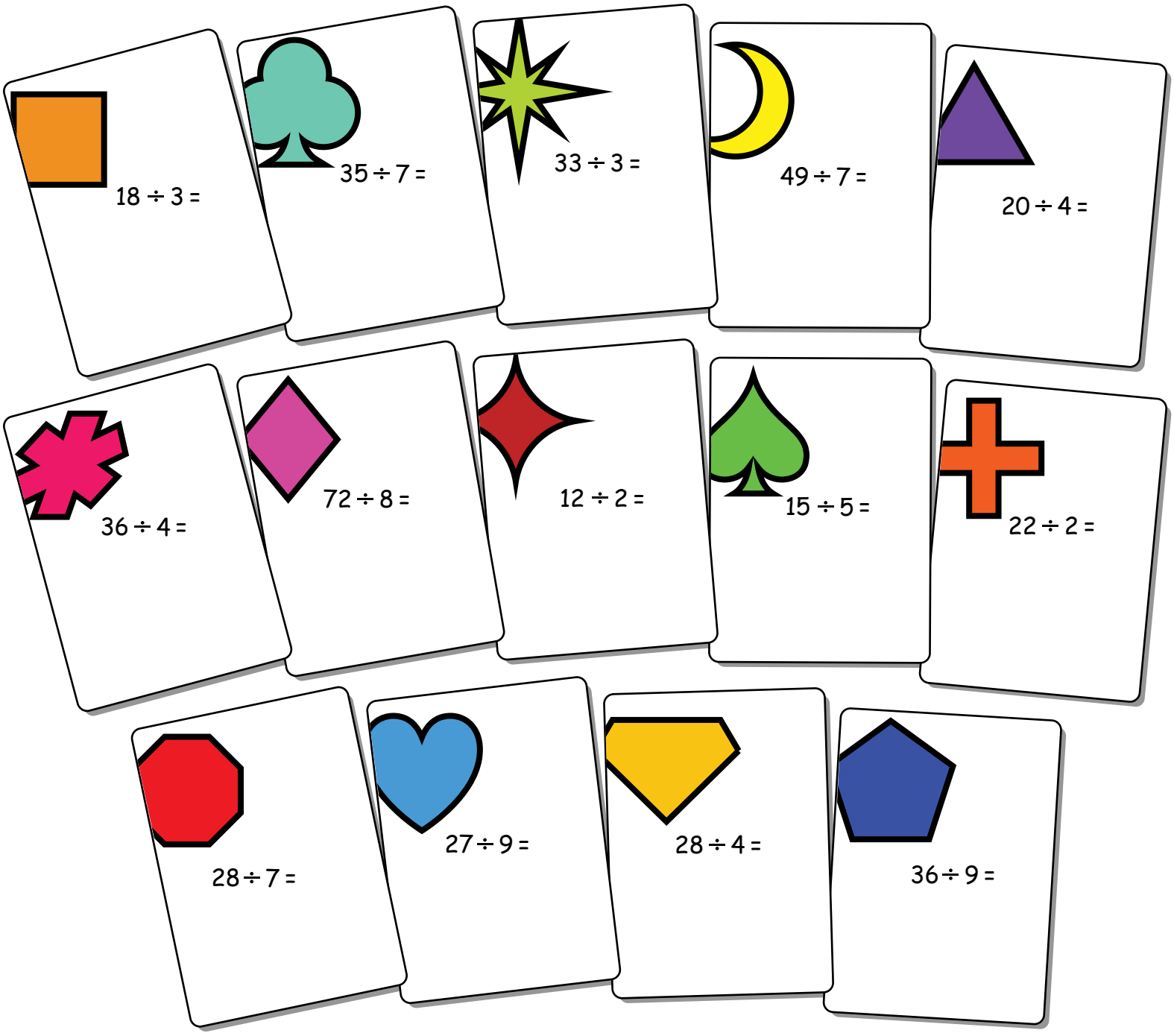
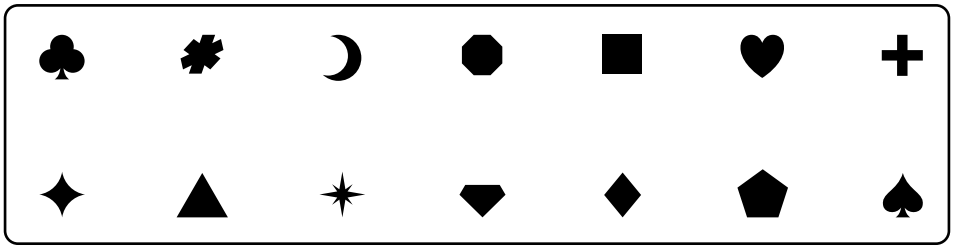
Division Duplication

4th Grade

There are 7 pairs of matching cards. Solve the equations then draw a line between symbols with the matching answers in the key below.



Key



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Zoey Chase is on the Case!

Zip Code Caper: West Coast USA

4th Grade

Detective Zoey Chase is searching for Ruby Seeker throughout the Western United States after she escaped from jail in Spokane, Washington. Help Zoey follow Ruby by solving the following multiplication problems and drawing a line to each city and zip code where she stops in the order the problems are given.

1. 991 × 99

8,919
+ 89,190
98,109

Seattle

2. 1,417 × 60

3. 4,262 × 21

4. 457 × 195

5. 469 × 201

6. 544 × 173

7. 1,993 × 42

8. 460 × 183

9. 1,217 × 74

10. 4,861 × 20

11. 691 × 144

12. 2,239 × 44

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MATH FRACTIONS

Skill Practice 1

Finding the GCF

*The **greatest common factor (GCF)** is the largest whole number that divides evenly into multiple numbers.*
Look at the two numbers in each problem and find the greatest common factor between them. See the example below for a step by step process to finding the GCF.

Example

36	48
2	2
2	2
3	2
3	2
	3

36 = 18 x 2 — 2 is a prime number and divides into 18 evenly 36 times.
36 = 9 x 2 x 2 — 18 can be divided by 2, leaving 9.
36 = 3 x 3 x 2 x 2 — 9 can be divided by 3, leaving 3. Now we have all prime numbers.

48 = 24 x 2
48 = 12 x 2 x 2
48 = 6 x 2 x 2 x 2
48 = 3 x 2 x 2 x 2 x 2

Once you find the prime factors of the second number, see which numbers they have in common. Circle and multiply them to get your GCF. If there are no prime factors in common, then the GCF is 1.

Numbers in common: **2, 2, 3**

2 x 2 x 3 = 12
GCF

40	60

GCF

30	75

GCF

84	105

GCF

56	96

GCF

18	25

GCF

50	125

GCF

72	108

GCF

56	112

GCF

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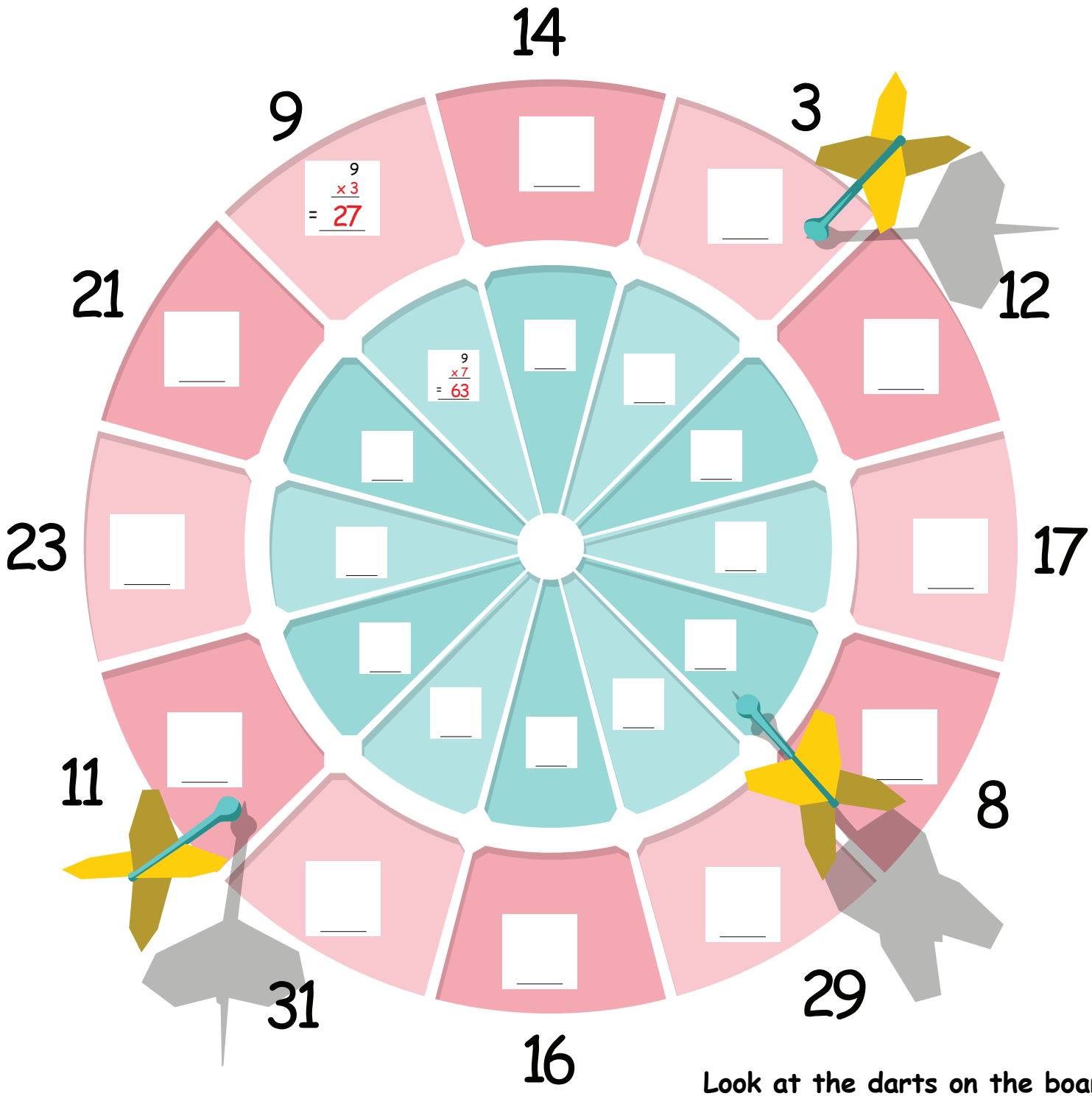
Bull's Eye Multiply

Use multiplication to find the points awarded for hitting each zone. The outer red circle multiplies the number by 3 and the inner blue circle multiplies it by 7.



Look at the darts on the board. How many points were scored?

_____ + _____ + _____ = _____

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DIVISION WORD PROBLEMS

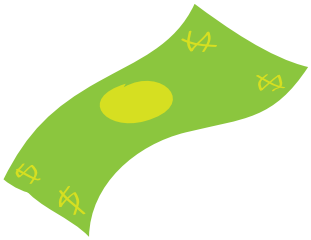
1. Billy receives $15 every month for allowance. He puts $7 of his allowance into a piggy bank until his piggy bank has $119. How many months has he been saving part of his allowance?

2. Miss Amy collected $6 each from her students for their upcoming field trip. If all of her students went on the field trip she would collect $192. How many students are in Miss Amy's class?

3. Mr. Chong is also planning for his class to go on the same trip. He collects $6 from each of his students too, but one of his students could only pay $3 making his total $219. How many students are in his class?

4. Kari gets $20 every week for lunch money. She sets aside $2 every school day. How many weeks did it take for her to save up $65?

5. Susan is selling raffle tickets for $4. She collects a total of $284. How many tickets did she sell?



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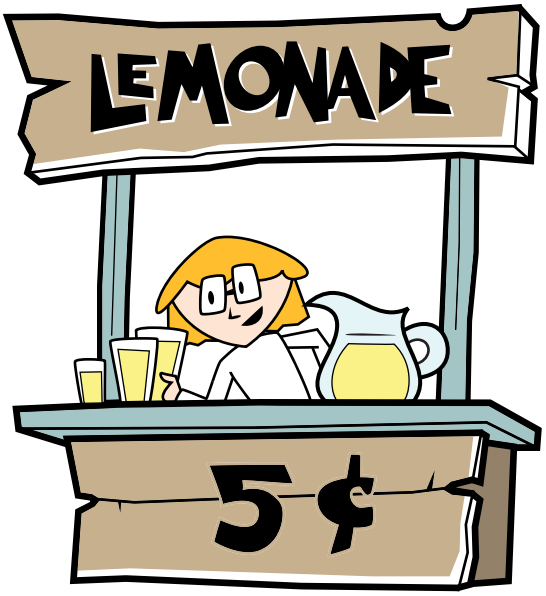
LEMONADE STAND MATH 5



You and your friends run a lemonade stand everyday during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.

Conversion Box

Gal = Gallons
Qt = Quarts
C = Cups

1 Gal = 16 C
1 Qt = 4 C

Mon.
Cups sold: 19

1st: Find the number of gallons using division.

1 G = 16 C

$16\overline{)19}$ = 1 R:3
−16
3

1 Gal

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

1 Q = 4 C

$4\overline{)3}$ = 0 R:3
−0
3

0 Qt

3 C

Tues.
Cups sold: 23

____Gal ____Qt ____C

Wed.
Cups sold: 50

____Gal ____Qt ____C

Thurs.
Cups sold: 44

____Gal ____Qt ____C

Fri.
Cups sold: 170

____Gal ____Qt ____C

Sat.
Cups sold: 134

____Gal ____Qt ____C

Sun.
Cups sold: 115

____Gal ____Qt ____C

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MATH FRACTIONS

Skill Practice 3

Finding the GCF

The **greatest common factor (GCF)** is the largest whole number that divides evenly into multiple numbers.
Look at the two numbers in each problem and find the greatest common factor between them. See the example below for a step by step process to finding the GCF.

Example

54	135
2	3
3	3
3	3
3	5

54 = 27 x 2 — 2 is a prime number and divides into 54 evenly 27 times.
54 = 9 x 3 x 2 — 27 can be divided by 3, leaving 9.
54 = 3 x 3 x 3 x 2 — 9 can be divided by 3, leaving 3. Now we have all prime numbers.

135 = 27 x 5
135 = 9 x 3 x 5
135 = 3 x 3 x 3 x 5

Once you find the prime factors of the second number, see which numbers they have in common. Circle and multiply them to get your GCF. If there are no prime factors in common, then the GCF is 1.

3 x 3 x 3 = 27
GCF

Numbers in common:
3, 3, 3

36	54

GCF

60	210

GCF

16	64

GCF

56	84

GCF

48	120

GCF

22	49

GCF

15	75

GCF

24	84

GCF

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GREATER THAN OR LESS THAN?

> " GREATER THAN" < " LESS THAN" = "EQUAL"

Directions: Solve the equations then write down the symbol that best compares each answer. Then write the answer in word form.

Example:

Ex. (232x32) > (22x150)

7424 3300

Seven thousand, four hundred and twenty-four is greater than three thousand, three hundred.

1. 539 x 223 ☐ 133 x 624

2. 439 x173 ☐ 244 x 324

3. 453 x513 ☐ 1223 x 154

4. 745 x 16 ☐ 394 x 85

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Math
Multiplication

Practice Finding The Variable #1

A variable represents the unknown number in the equation. For example, 4 x t = 12. The letter " t " represents the number which multiplies by 4 to equal 12. Find the value of each variable in these equations. See the example below.

6 x j = 30	j =	30 ÷ 6	j =	5
8 x b = 32	b =		b =	
9 x u = 63	u =		u =	
11 x e = 55	e =		e =	
22 x k = 44	k =		k =	
d x 5 = 100	d =		d =	
h x 20 = 400	h =		h =	

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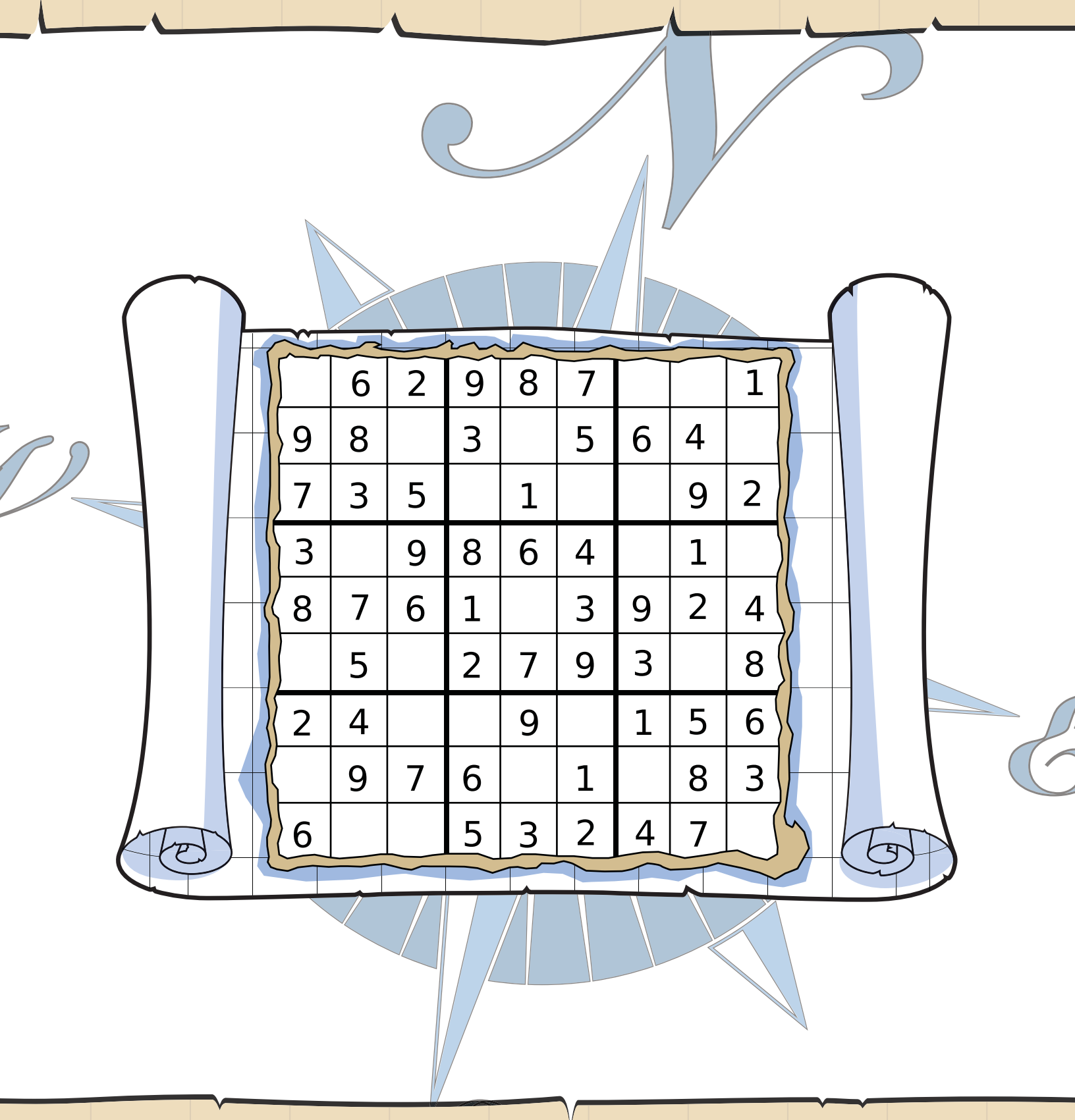
SUDOKU ISLAND

Solve the Sudoku puzzle by filling in the blank spaces with numbers between 1 and 9. Make sure no numbers appear twice in the same row, column or 3x3 square.

Difficulty: Medium



	6	2	9	8	7			1
9	8		3		5	6	4	
7	3	5		1			9	2
3		9	8	6	4		1	
8	7	6	1		3	9	2	4
	5		2	7	9	3		8
2	4			9		1	5	6
	9	7	6		1		8	3
6			5	3	2	4	7	

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Math-Go-Round

Multiplication | Difficulty: ★★★☆

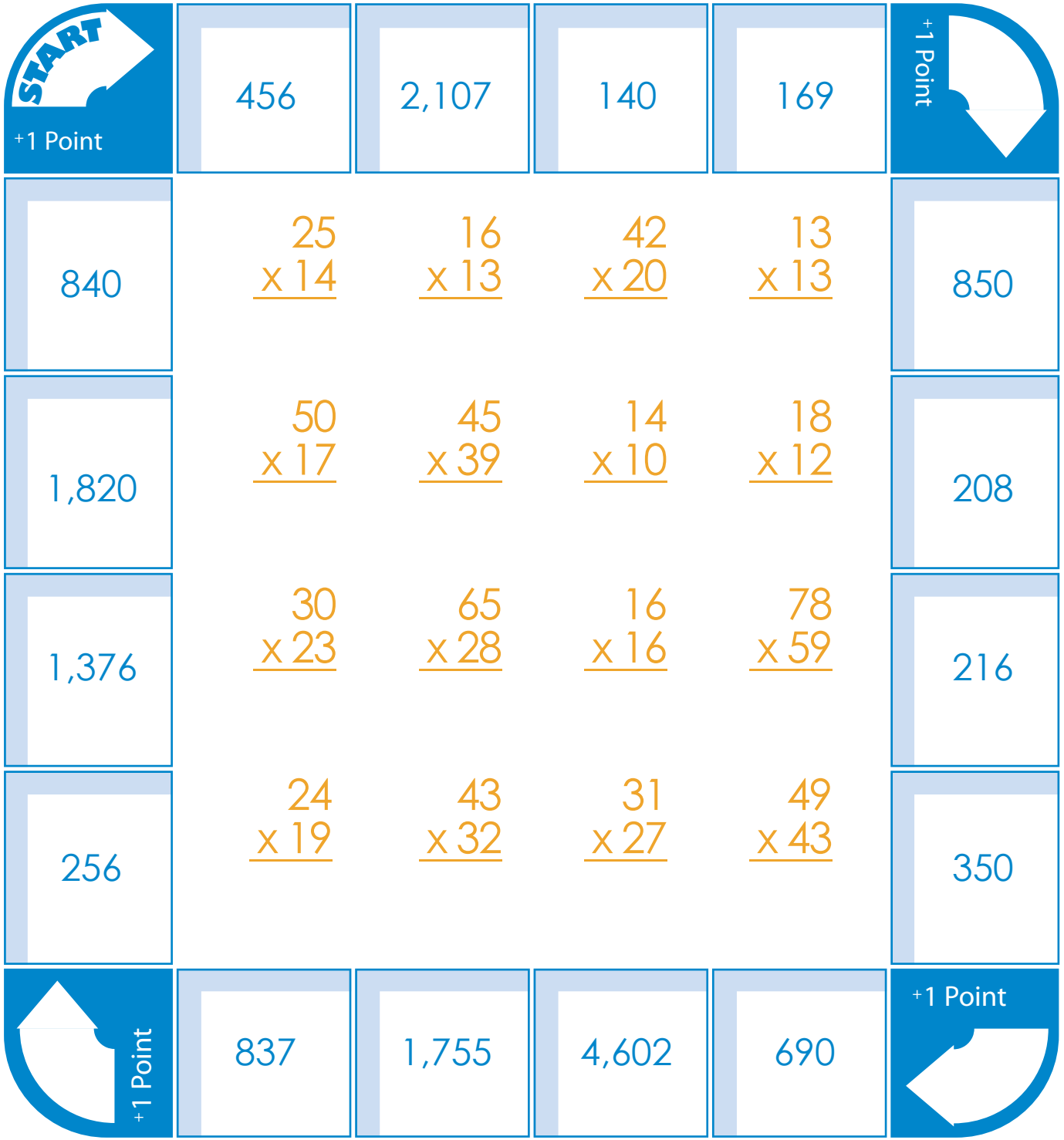
Find a friend and practice your multiplication skills. Find two coins or game pieces and place them on the square labeled **START**. Choose one of the problems to solve and move your game piece clockwise around the board to that problem's answer.

Keep track of the number of corners you go around on each move. For each one, give yourself a point. The player with the most points at the end is the winner.

Keep score with the table below.

	Player 1	Player 2
Round 1		
Round 2		
Round 3		
Round 4		
Round 5		
Round 6		
Round 7		
Round 8		

Total ____ ____



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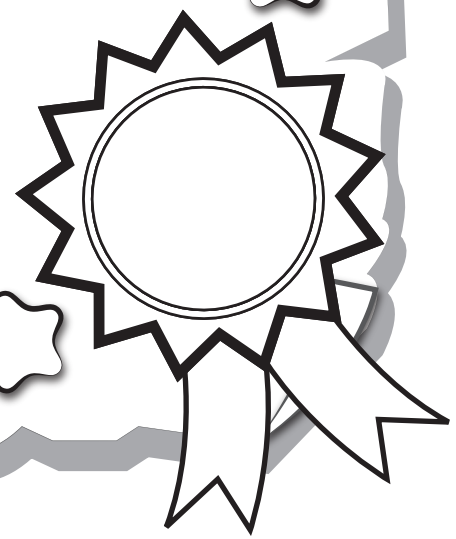
Great job!

_____

is an ThuVienTiengAnh.Com math superstar



Answer Sheets

Number Crunchers: Operations Practice

Riddle Me Math! Multidigit Addition
Riddle Me Math! Multidigit Subtraction
Riddle Me Math! Multidigit Addition & Subtraction
Division Duplication
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Division Word Problems
Lemonade Stand Math
Skill Practice: Finding the GCF #2
Greater Than or Less Than?
Practice Finding the Variable
Sudoku Island

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Answer Sheet

Riddle Me Math!

Multidigit Addition

Directions:
Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddles.

What can you catch and not throw? A $\underset{1}{C}$ $\underset{2}{O}$ $\underset{3}{L}$ $\underset{4}{D}$.

1. $\begin{array}{r} {\scriptstyle 1} \\ 436 \\ +\ 735 \\ \hline 1171 \end{array}$
2. $\begin{array}{r} 204 \\ +\ 596 \\ \hline 800 \end{array}$
3. $\begin{array}{r} 825 \\ +\ 481 \\ \hline 1306 \end{array}$
4. $\begin{array}{r} 163 \\ +\ 830 \\ \hline 993 \end{array}$

What kind of coat can only be put on when wet? A $\underset{5}{C}$ $\underset{6}{O}$ $\underset{7}{A}$ $\underset{8}{T}$ $\underset{9}{O}$ $\underset{10}{F}$ $\underset{11}{P}$ $\underset{12}{A}$ $\underset{13}{I}$ $\underset{14}{N}$ $\underset{15}{T}$.

5. $\begin{array}{r} 673 \\ +\ 349 \\ \hline 1022 \end{array}$
6. $\begin{array}{r} 748 \\ +\ 697 \\ \hline 1445 \end{array}$
7. $\begin{array}{r} 119 \\ +\ 250 \\ \hline 369 \end{array}$
8. $\begin{array}{r} 485 \\ +\ 215 \\ \hline 700 \end{array}$
9. $\begin{array}{r} 729 \\ +\ 164 \\ \hline 893 \end{array}$
10. $\begin{array}{r} 876 \\ +\ 533 \\ \hline 1409 \end{array}$
11. $\begin{array}{r} 903 \\ +\ 203 \\ \hline 1106 \end{array}$
12. $\begin{array}{r} 836 \\ +\ 720 \\ \hline 1556 \end{array}$
13. $\begin{array}{r} 585 \\ +\ 499 \\ \hline 1084 \end{array}$
14. $\begin{array}{r} 958 \\ +\ 247 \\ \hline 1205 \end{array}$
15. $\begin{array}{r} 333 \\ +\ 138 \\ \hline 471 \end{array}$

A. 369	P. 1106	D. 993	I. 1084	A.1556
O. 893	T. 471	N. 1205	C. 1022	L. 1306
F. 1409	~~C. 1171~~	O. 800	T. 700	O. 1445

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Answer Sheet

Riddle Me Math!

Multidigit Subtraction

Directions:
Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddles.

What can fill a room but takes up no space? L I G H T.
1 2 3 4 5

1. $\begin{array}{r} \overset{5}{\cancel{6}}\,\overset{13}{\cancel{4}}\,\overset{1}{\cancel{1}}0 \\ -264 \\ \hline 376 \end{array}$

2. $\begin{array}{r} 829 \\ -100 \\ \hline 729 \end{array}$

3. $\begin{array}{r} 455 \\ -283 \\ \hline 172 \end{array}$

4. $\begin{array}{r} 988 \\ -527 \\ \hline 461 \end{array}$

5. $\begin{array}{r} 284 \\ -259 \\ \hline 25 \end{array}$

What has a foot on each side and one in the middle?

Y A R D S T I C K.
6 7 8 9 10 11 12 13 14

6. $\begin{array}{r} 722 \\ -346 \\ \hline 376 \end{array}$

7. $\begin{array}{r} 826 \\ -465 \\ \hline 361 \end{array}$

8. $\begin{array}{r} 563 \\ -372 \\ \hline 191 \end{array}$

9. $\begin{array}{r} 278 \\ -134 \\ \hline 144 \end{array}$

10. $\begin{array}{r} 854 \\ -523 \\ \hline 331 \end{array}$

11. $\begin{array}{r} 692 \\ -483 \\ \hline 209 \end{array}$

12. $\begin{array}{r} 909 \\ -738 \\ \hline 171 \end{array}$

13. $\begin{array}{r} 654 \\ -421 \\ \hline 233 \end{array}$

14. $\begin{array}{r} 846 \\ -284 \\ \hline 562 \end{array}$

Y. 376	K. 562	T. 209	~~L. 376~~	H. 461
T. 25	I. 729	A. 361	D. 144	I. 171
S. 331	R. 191	C. 233	G. 172	

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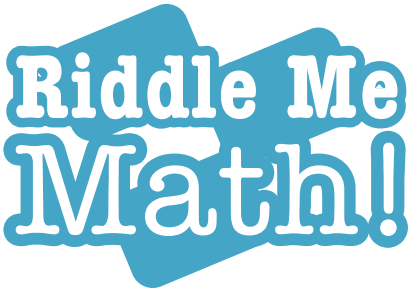
Answer Sheet



Multidigit Addition & Subtraction

Directions:
Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddle.

Whoever makes it, tells it not. Whoever takes it, knows it not. Whoever knows it, wants it not. What is it?

C	O	U	N	T	E	R	F	E	I	T
1	2	3	4	5	6	7	8	9	10	11

M	O	N	E	Y
12	13	14	15	16

.

1.	11 485 +859 1344	2.	647 −326 321	3.	273 +526 799	4.	352 −105 247
5.	525 +372 897	6.	938 −744 194	7.	769 +662 1431	8.	436 −277 159
9.	273 +488 761	10.	825 −562 263	11.	348 +743 1091	12.	783 −321 462
13.	637 +185 822	14.	709 −437 272	15.	261 +575 836	16.	975 −418 557

E. 836	F. 159	E. 194	M. 462	~~C. 1344~~	E. 761
O. 321	N. 272	T. 1091	Y. 557	N. 247	
T. 897	I. 263	U. 799	R. 1431	O. 822	

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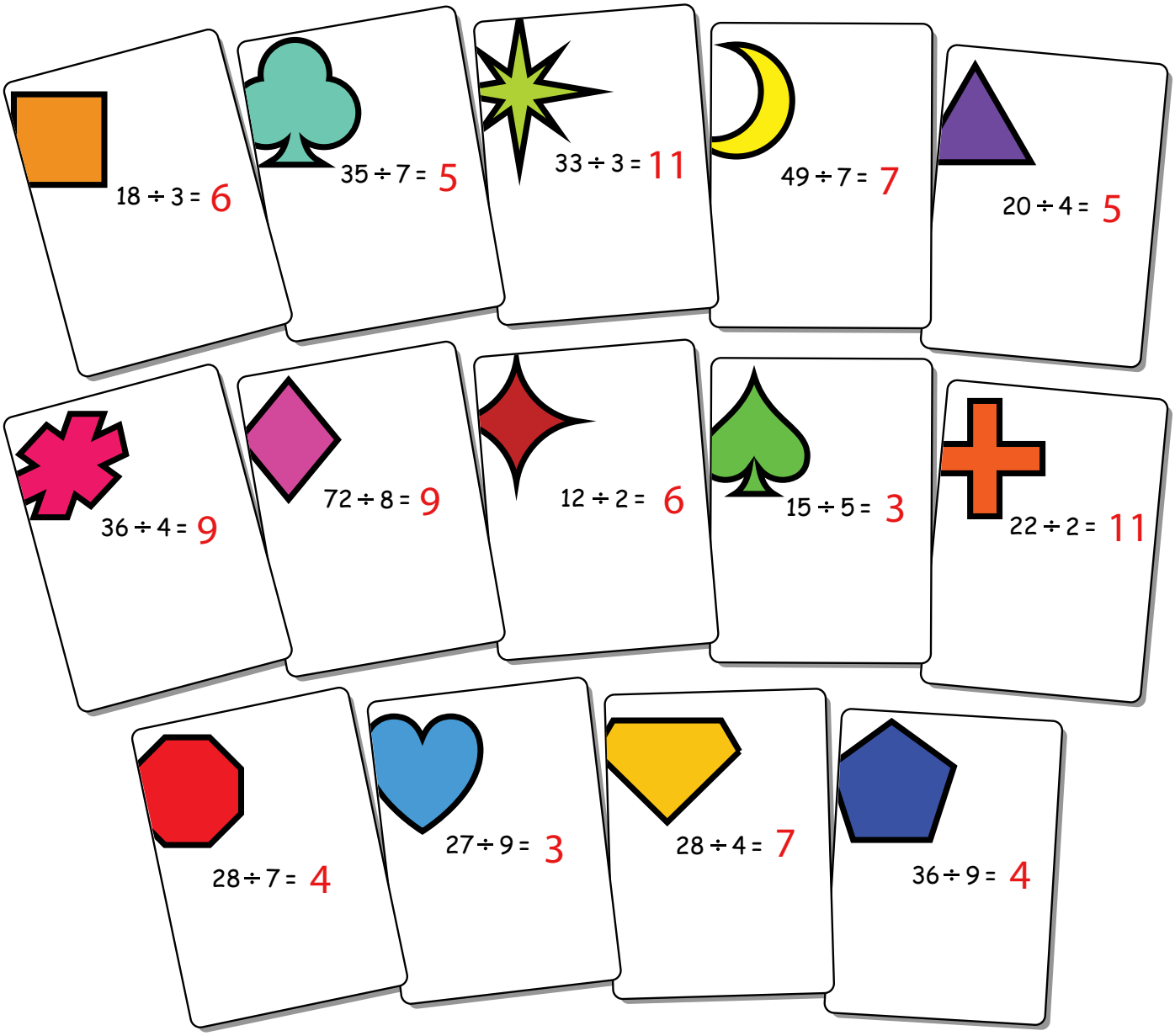
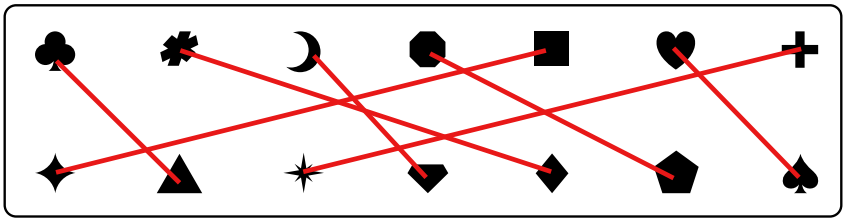
Answer Sheet

Division Duplication — Answer Sheet — 4th Grade

There are 7 pairs of matching cards. Solve the equations then draw a line between symbols with the matching answers in the key below.



Key



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Answer Sheet

Zoey Chase is on the Case!

Zip Code Caper: West Coast USA

4th Grade

Answer Sheet

Detective Zoey Chase is searching for Ruby Seeker throughout the Western United States after she escaped from jail in Spokane, Washington. Help Zoey follow Ruby by solving the following multiplication problems and drawing a line to each city and zip code where she stops in the order the problems are given.

1. 991 × 99

8,919
+ 89,190
98,109

Seattle

2. 1,417 × 60

0
+ 85,020
85,020

Phoenix

3. 4,262 × 21

4,262
+ 85,240
89,502

Reno

4. 457 × 195

2,285
41,130
+ 45,700
89,115

Las Vegas

5. 469 × 201

469
+ 93,800
94,269

Sacramento

6. 544 × 173

1,632
38,080
+ 54,400
94,112

San Francisco

7. 1,993 × 42

3,986
+ 79,720
83,706

Boise

8. 460 × 183

1,380
36,800
+ 46,000
84,180

Salt Lake City

9. 1,217 × 74

4,868
+ 85,190
90,058

Los Angeles

10. 4,861 × 20

0
+ 97,220
97,220

Portland

11. 691 × 144

2,764
27,640
+ 69,100
99,504

Anchorage

12. 2,239 × 44

8,956
+ 89,560
98,516

Olympia

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Answer Sheet

Answer Sheet

MATH FRACTIONS

Skill Practice 1

Finding the GCF

*The **greatest common factor (GCF)** is the largest whole number that divides evenly into multiple numbers.*
Look at the two numbers in each problem and find the greatest common factor between them. See the example below for a step by step process to finding the GCF.

Example

36	48
2	2
2	2
3	2
3	2
	3

36 = 18 x 2 — 2 is a prime number and divides into 18 evenly 36 times.
36 = 9 x 2 x 2 — 18 can be divided by 2, leaving 9.
36 = 3 x 3 x 2 x 2 — 9 can be divided by 3, leaving 3. Now we have all prime numbers.

48 = 24 x 2
48 = 12 x 2 x 2
48 = 6 x 2 x 2 x 2
48 = 3 x 2 x 2 x 2 x 2

Once you find the prime factors of the second number, see which numbers they have in common. Circle and multiply them to get your GCF. If there are no prime factors in common, then the GCF is 1.

Numbers in common: **2, 2, 3**

2 x 2 x 3 = 12
GCF

40	60
2	2
2	2
2	3
5	5

20
GCF

30	75
2	3
3	5
5	5

15
GCF

84	105
2	3
2	5
3	7
7	

21
GCF

56	96
2	2
2	2
2	2
7	2
	2
	3

8
GCF

18	25
2	5
3	5
3	

1
GCF

50	125
2	5
5	5
5	5

25
GCF

72	108
2	2
2	2
2	3
3	3
3	3

18
GCF

56	112
2	2
2	2
2	2
7	2
	7

28
GCF

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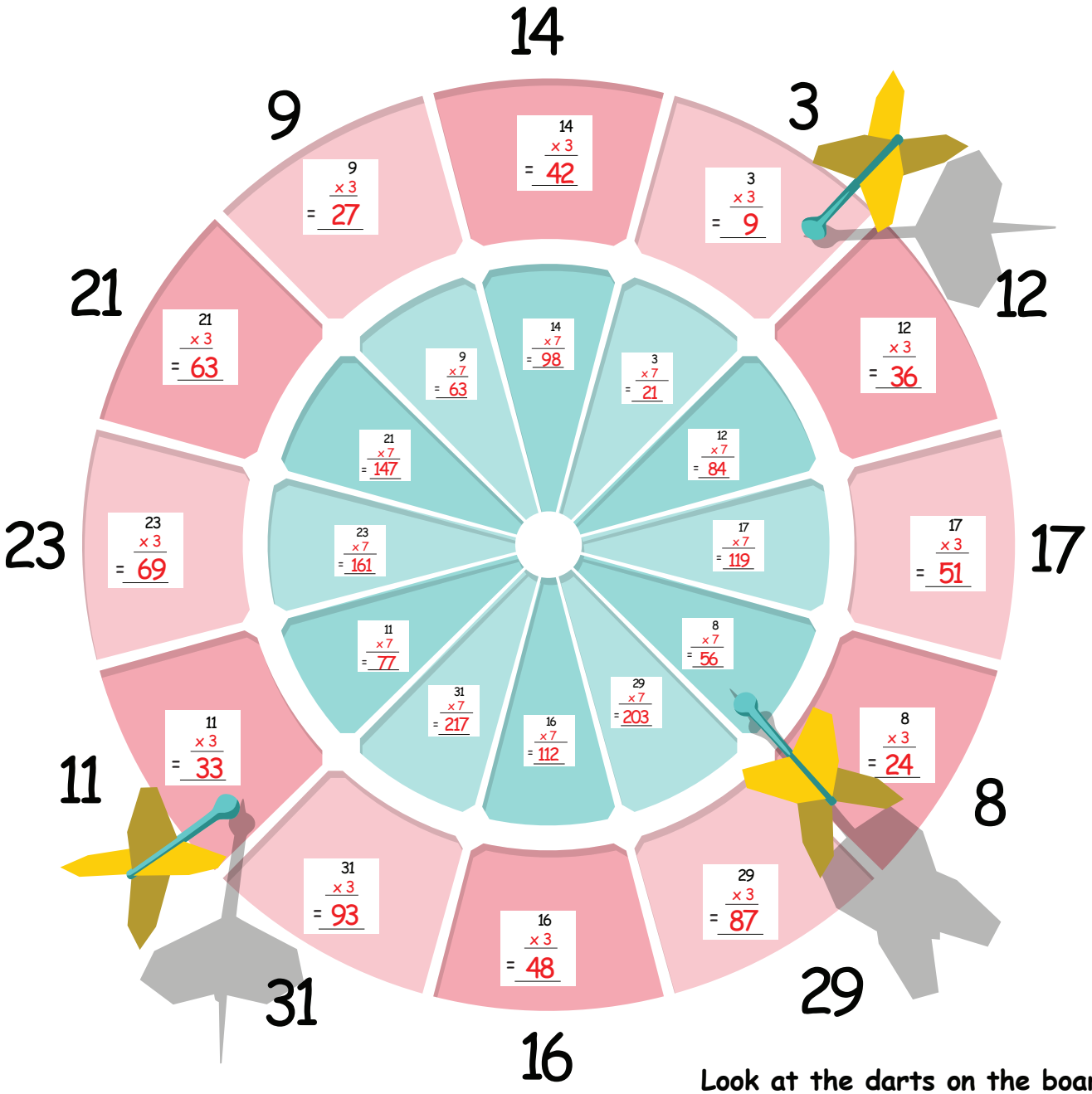
Answer Sheet

Bull's Eye Multiply

Answer Sheet

Use multiplication to find the points awarded for hitting each zone. The outer red circle multiplies the number by 3 and the inner blue circle multiplies it by 7.



Look at the darts on the board. How many points were scored?

9 + 56 + 33 = 98

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Answer Sheet

DIVISION WORD PROBLEMS

1. Billy receives $15 every month for allowance. He puts $7 of his allowance into a piggy bank until his piggy bank has $119. How many months has he been saving part of his allowance?

119 (amount saved) ÷ 7 (amount left from his allowance) = 17 months

It took Billy 17 months to save up $119 in his piggy pank.

2. Miss Amy collected $6 each from her students for their upcoming field trip. If all of her students went on the field trip she would collect $192. How many students are in Miss Amy's class?

192 (total collected money) ÷ 6 (collected per student) = 32 students

There are 32 students in Miss Amy's class.

3. Mr. Chong is also planning for his class to go on the same trip. He collects $6 from each of his students too, but one of his students could only pay $3 making his total $219. How many students are in his class?

219 (total collected money) + 3 (the missing due from one student) = 222
222 ÷ 6 (collected per student) = 37 students

There are 37 students in Mr. Chong's class.

4. Kari gets $20 every week for lunch money. She sets aside $2 every school day. How many weeks did it take for her to save up $65?

$2 (allowance saved) x 5 (# school lunch days) = $10 (allowance saved in a week)
$65 (total saved) ÷ $10 (allowance saved in a week) = 6.5 weeks round up to 7

It took her 7 weeks to save 65 dollars.

5. Susan is selling raffle tickets for $4. She collects a total of $284. How many tickets did she sell?

$284 (collected total) ÷ $4 (price per raffle ticket) = 71 (tickets sold)

Susan sold 71 tickets.

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Answer Sheet

LEMONADE STAND MATH 5 ANSWERS

You and your friends run a lemonade stand everyday during the summer. You are in charge of keeping track of the volume of lemonade sold. Given the number of cups sold each day, use division to express the number of cups sold in gallons, quarts, and cups.

Follow the example below. Refer to the **conversion box** to convert your units correctly. Show and check your work.

Conversion Box

Gal = Gallons
Qt = Quarts
C = Cups

1 Gal = 16 C
1 Qt = 4 C

Mon.
Cups sold: 19

1st: Find the number of gallons using division.

1 G = 16 C

$16\overline{)19}$ = 1 R:3 (−16, 3)

1 Gal

2nd: Convert the remaining 6 cups into quarts. The remainder is the number of cups left over.

1 Q = 4 C

$4\overline{)3}$ = 0 R:3 (−0, 3)

0 Qt

3 C

Tues.
Cups sold: 23

1 Gal **1** Qt **3** C

Wed.
Cups sold: 50

3 Gal **0** Qt **2** C

Thurs.
Cups sold: 44

2 Gal **3** Qt **0** C

Fri.
Cups sold: 170

10 Gal **2** Qt **2** C

Sat.
Cups sold: 134

8 Gal **1** Qt **2** C

Sun.
Cups sold: 115

7 Gal **0** Qt **3** C

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Answer Sheet

Answer Sheet

MATH FRACTIONS

Skill Practice 3

Finding the GCF

*The **greatest common factor (GCF)** is the largest whole number that divides evenly into multiple numbers.*
Look at the two numbers in each problem and find the greatest common factor between them. See the example below for a step by step process to finding the GCF.

Example

54	135
2	3
3	3
3	3
3	5

54 = 27 x 2 — 2 is a prime number and divides into 54 evenly 27 times.
54 = 9 x 3 x 2 — 27 can be divided by 3, leaving 9.
54 = 3 x 3 x 3 x 2 — 9 can be divided by 3, leaving 3. Now we have all prime numbers.

135 = 27 x 5
135 = 9 x 3 x 5
135 = 3 x 3 x 3 x 5

Once you find the prime factors of the second number, see which numbers they have in common. Circle and multiply them to get your GCF. If there are no prime factors in common, then the GCF is 1.

3 x 3 x 3 = 27
GCF

Numbers in common:
3, 3, 3

36	54
2	2
2	3
3	3
3	3

18
GCF

60	210
2	2
3	3
3	5
5	7

30
GCF

16	64
2	2
2	2
2	2
2	2
	2
	2

16
GCF

56	84
2	2
2	2
2	3
7	7

28
GCF

48	120
2	2
2	2
2	2
2	3
3	5

24
GCF

22	49
2	7
11	7

1
GCF

15	75
3	3
5	5
	5

15
GCF

24	84
2	2
2	2
2	3
3	7

12
GCF

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Answer Sheet

GREATER THAN OR LESS THAN?

> " GREATER THAN" < " LESS THAN" = "EQUAL"

Directions: Solve the equations then write down the symbol that best compares each answer. Then write the answer in word form.

Example:

Ex. (232x32) > (22x150)

7424 3300

Seven thousand, four hundred and twenty-four is greater than three thousand, three hundred.

1. 539 x 223 = 120,197 > 133 x 624 = 82,992

One hundred twenty thousand, one hundred and ninety-seven is greater than eighty-two thousand, nine hundred and ninety-two.

2. 439 x173 = 75,947 < 244 x 324 = 79,056

Seventy-five thousand, nine hundred forty-seven is less than seventy-nine thousand, and fifty-six.

3. 453 x513 = 232,389 > 1223 x 154 = 188,342

Two hundred, thirty-two thousand, three hundred and eighty-nine is greater than one hundred eighty-eight thousand, three hundred and forty-two.

4. 745 x 16 = 11,920 < 394 x 85 = 33,490

Eleven thousand, nine hundred and twenty is less than thirty-three thousand, four hundred and ninety.

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Answer Sheet

Math
Multiplication

Answer Sheet
Practice Finding The Variable #1

A variable represents the unknown number in the equation. For example,
4 x t = 12. The letter " t " represents the number which multiplies by 4 to equal 12.
Find the value of each variable in these equations. See the example below.

6 x j = 30	j =	30 ÷ 6	j =	5
8 x b = 32	b =	32 ÷ 8	b =	4
9 x u = 63	u =	63 ÷ 9	u =	7
11 x e = 55	e =	55 ÷ 11	e =	5
22 x k = 44	k =	44 ÷ 22	k =	2
d x 5 = 100	d =	100 ÷ 5	d =	20
h x 20 = 400	h =	400 ÷ 20	h =	20

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Answer Sheet

Sudoku Answers

Hi Tech Sudoku

Difficulty: Easy

1	7	2	6	3	4	5	9	8
4	9	3	5	8	1	7	2	6
5	8	6	9	2	7	1	3	4
3	5	9	1	4	6	2	8	7
6	4	7	2	5	8	3	1	9
8	2	1	3	7	9	6	4	5
7	1	8	4	6	2	9	5	3
9	6	5	8	1	3	4	7	2
2	3	4	7	9	5	8	6	1

Sudoku Island

Difficulty: Medium

4	6	2	9	8	7	5	3	1
9	8	1	3	2	5	6	4	7
7	3	5	4	1	6	8	9	2
3	2	9	8	6	4	7	1	5
8	7	6	1	5	3	9	2	4
1	5	4	2	7	9	3	6	8
2	4	3	7	9	8	1	5	6
5	9	7	6	4	1	2	8	3
6	1	8	5	3	2	4	7	9

Honeycomb Sudoku

Difficulty: Hard

8	2	3	6	7	4	5	9	1
5	4	6	1	9	3	7	2	8
9	1	7	8	2	5	3	6	4
6	7	4	3	1	2	8	5	9
2	9	1	5	6	8	4	7	3
3	8	5	7	4	9	2	1	6
7	5	9	4	3	6	1	8	2
4	6	8	2	5	1	9	3	7
1	3	2	9	8	7	6	4	5

Sudoku Blocks

Difficulty: Very Hard

5	1	2	7	6	8	9	3	4
4	9	7	1	5	3	6	2	8
6	8	3	4	2	9	5	1	7
1	2	4	8	7	5	3	6	9
8	3	5	6	9	4	2	7	1
9	7	6	2	3	1	8	4	5
3	6	1	5	8	7	4	9	2
2	4	8	9	1	6	7	5	3
7	5	9	3	4	2	1	8	6

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