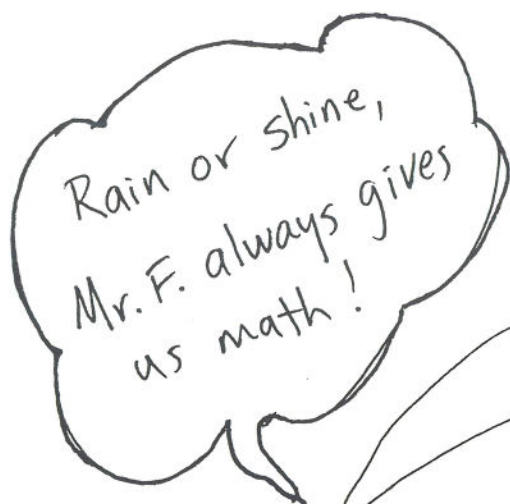


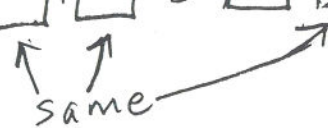
SUMMER MATH BOOKLET

MILLENNIUM EDITION



1. $\square + \square + \square + \square = \square + \square + \square + \square$

Use 1-10. None are the same.

2. $\square + \square = \square 6 + \square$


3. In 3 years, Jeremy will be 20. How long ago was he 7 years old?

4. —, 10, —, —, 16

5. Courtney is 2 years older than Christina. Together their ages make 20. How old is each?

6. A year has a dozen months. How many months are in $2\frac{1}{2}$ years?

7. How many days are in $1\frac{1}{2}$ weeks?

8. Kylee gave 10¢ to Elise and 15¢ to Taelor. Now Kylee has half of what she started with. What coins did she start with?

9. 1, 2, 4, 7, 11, —

10. $\textcircled{10\text{¢}} \textcircled{10\text{¢}} \textcircled{25\text{¢}} \bigcirc \bigcirc = 60\text{¢}$

11. Kelsey took 5 coins from her pocket and said, "This is half of \$2." What coins were they?

12. Austin had 7 coins. He gave half of his money to Evan. Evan then gave half of that to Bryce. If Bryce has 15¢, what coins did Austin begin with?

13. Milk costs 35¢ so what 4 coins can buy 2 milks?

14. Trey is half as old as Kyle. Together their ages make 27 so how old is each?

15. $2\frac{1}{2} + 2\frac{1}{2} + 2\frac{1}{2} + 2\frac{1}{2} = \boxed{}$

16. Matt had 4 coins. He found 10¢ then lost 20¢. If he now has 25¢, what coins did he begin with?

17. —, April, —, June, —

18.

in	7	12	17	100	
out	2	7	12		100

19. How many months are in $3\frac{1}{2}$ years?

20. —, 90, —, 80, —

21. What is half of half of 3 tens?

22. What is 4 tens less than $5\frac{1}{2}$ tens?

23. What 3 coins are the same as $7\frac{1}{2}$ dimes?

24. Marlys said, "In 5 years I'll be as old as Lacey".
If Lacey will be 14 next year, how old are they together?

25. —, 2, —, 3, —

26. Christina had 6 coins. She had the same number of nickels and dimes. Her total was 55¢. What coins were they?

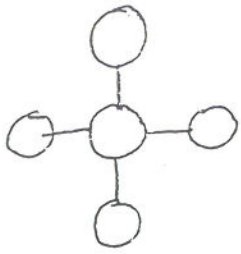
27. Tyler had 5 coins worth 75¢. He gave away 2 coins, leaving him with 2 dimes, 1 quarter. What did he give away?

28. In 10 years, Mr. F. will be 10 years away from being 100. How old was he last year?

29.

in	2	9	10		$\frac{1}{2}$
out	$3\frac{1}{2}$	$10\frac{1}{2}$	$11\frac{1}{2}$	3	

30. "Wow!" yelled Tessie. "I have 100 cents." She had 7 coins in one hand and 6 coins in the other. What were they?



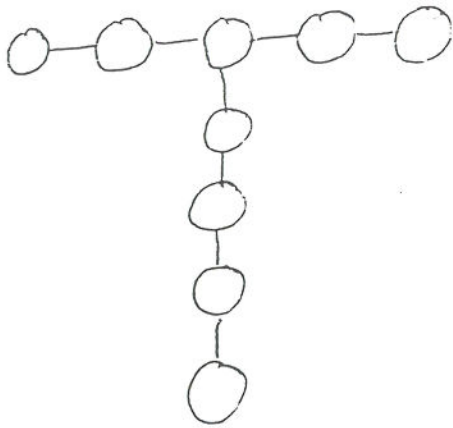
Use the even numbers
2-10 to make each line

add to:

a) 16

b) 18

c) 20

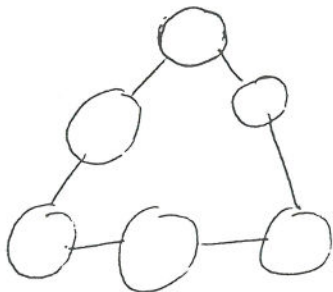


Use the numbers 1-9
to make each line add
to:

a) 23

b) 25

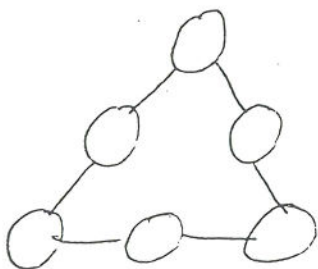
c) 27



Use # 1-6 to make
each side add to:

a) 9

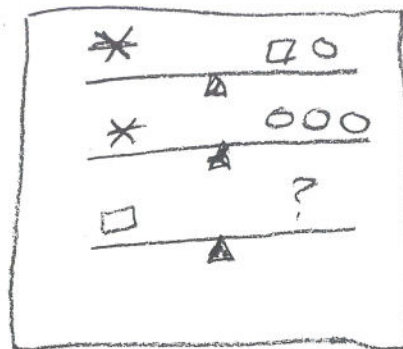
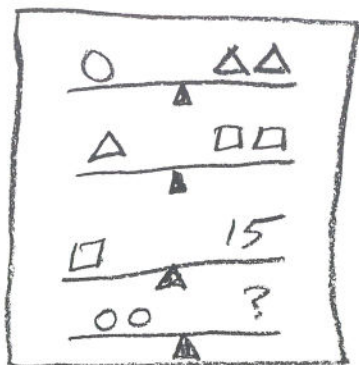
b) 12



Use the odd # 1-11
to make each side
add to:

a) 15

b) 21

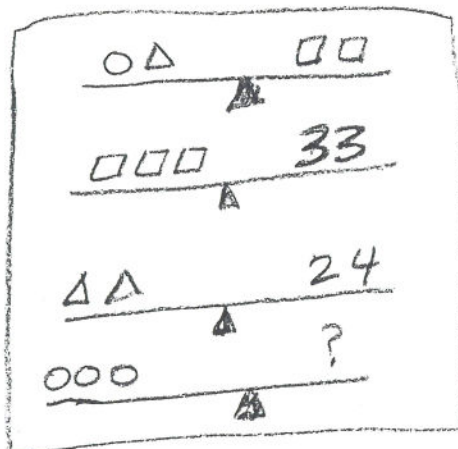


- (a) 0
(b) 00
(c) *(d) 000

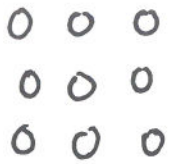
□	○	*	= ?
*	*	*	= 21
*	○	○	= 25
○	□	□	= 31

△	○	□	*	=
○	○	○	*	= 39
□	△	□	○	= 22
*	△	△	△	= 33
○	○	○	○	= 40

*	△	○	= 6
*	?	*	= 7
△	△	△	= 12
△	○	○	= 5



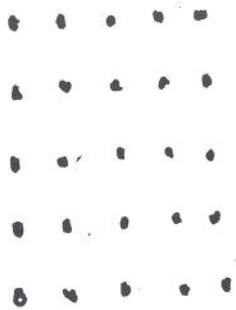
Puzzlers



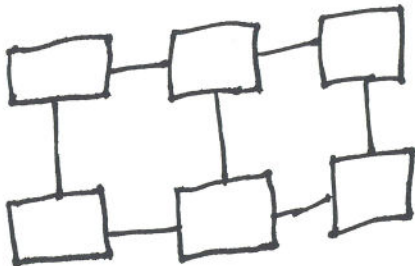
Place 9 pennies like this. Now re-arrange them to make 3 rows of 4 pennies.



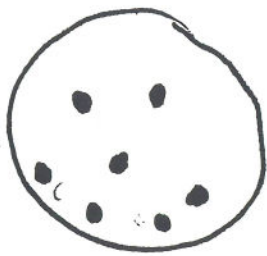
Move 2 toothpicks to make 7 squares



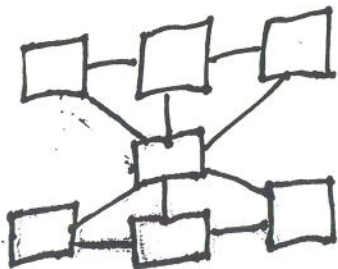
Can you connect 8 dots to form a square that traps 5 dots inside and 12 outside?



Put numbers 1-6 in these boxes so that no lines connect consecutive numbers.



Use 3 straight lines to divide the dots so that each dot is separate from the other dots.



Use 1-7 so that connecting squares add to 12. (all 3 in a row)

1. Tabitha has 30¢ more than Mr. F. Together they have \$2.00, so what 4 coins does she have?
2. —, 14, 24, 35, 47, —
3. What is half of the number that comes ten before 10,000?
4. A dime buys 2 bubblegums. How many gums can you buy with \$21.10?
5. 500 quarters = — dimes
6. In 73 years, Brittany will be a century old. How long ago was she 9 years old?
7. If Carolyn had 29¢ more, she could buy 4 books that costs \$1.07 each. How much money does she have?
8. Marquis has \$4.03. He has 13 dimes and the rest are pennies. How many coins does he have?

9.

in		3	10	1	5	2½
out		9	30	3	15	

10. $\square + 27 + 133 = 160 - \square$

11. What is the highest number you can make with 3 different even digits? _____ What is the lowest number? _____
 What is the difference between these 2 numbers? _____
 (By how much is one number more than the other?)

12. 1, —, —, —, 11

3. How many numbers, from 0-99, have more tens than ones?

4. Katie had 12 quarters and twice as many dimes. She spent half then gave away $\frac{1}{3}$ of what was left. How much does she have now?

5. —, 305, 325, 355, 395, —

6. If 5 kids want to equally share a "bakers dozen" (13) of cookies, how much will each get?

7. Use numbers greater than 10.

$$\boxed{} + \boxed{} = \boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{}$$

$\nwarrow$ same $\nearrow$
 $\nwarrow$ same $\nearrow$

8. A pie has 8 slices and costs \$10.00. What would 22 slices cost?

9. Add me to half of me and you get (a) 1 who am I?
 (b) 13 who am I?

20.

in	22	300	5	$\frac{1}{4}$
out	11	150	$2\frac{1}{2}$	

21. How many numbers from 0-99 have the same number of tens and ones? (Be careful.)
22. Who am I? I have 17 tens in me and my digits add to 17?
23. How many seconds are in $\frac{1}{60}$ of $\frac{1}{2}$ hour?
24. Which is a better buy: (a) 7 apples for \$6.00 or (b) 20 apples for \$18.00?
25. —, 50, 51, 53, 56 (Be careful here too)
26. Lang found 1 coin and now has enough money to buy 3 rings at \$0.40 each. If she started with 4 of the same coins, what did she find?
27. —, 50, 60, 80, 120, 200, —
28. Jake spent $\frac{3}{20}$ of his ten dollars. The rest is in nickels. How many nickels is this?
29. (a) $\square - \square = 1 + \square$ Use numbers greater than 1000.
(b) $\square - 1 = 7010$
30. What 3 numbers, 1 apart from each other, add to 4?

Magic Squares

60	135	
	75	
		90

18		6
	24	
		30

100-78		half of 32
	13	
		half of half of 16

452			128
	76		$\frac{198}{+119}$
29 times		101	
49	344		$500-129$

1			4
12	6	7	
		11	
13	3		16

20		7	
13	11	10	16
	15	14	12
	18		5

	3	2	
5			8
9		7	
4			1

Use 1-16
to get 34.

4		10	
	16	5	
13	6		
		12	

Use
4-19
to get
46.

		3
	$3\frac{1}{2}$	
$5\frac{1}{2}$		4

15		20
		6

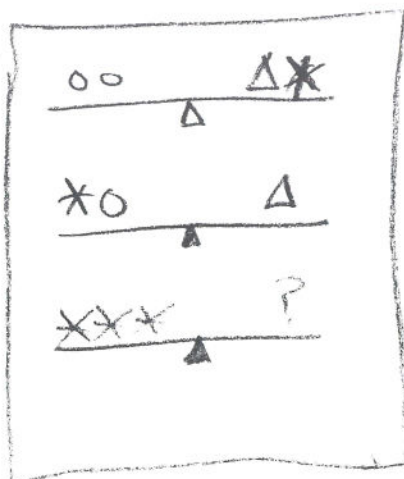
Total =
 $37\frac{1}{2}$

18		6
41		

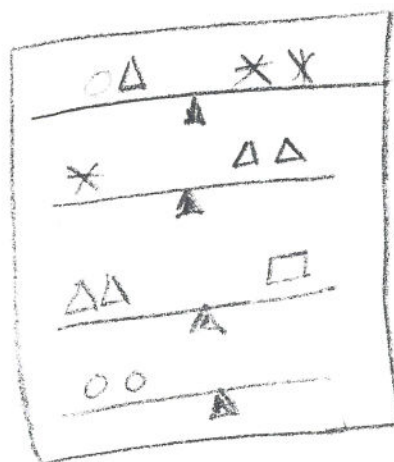
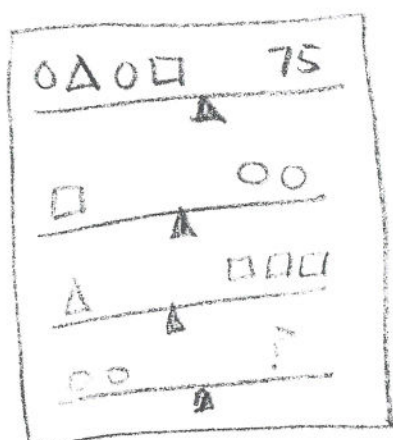
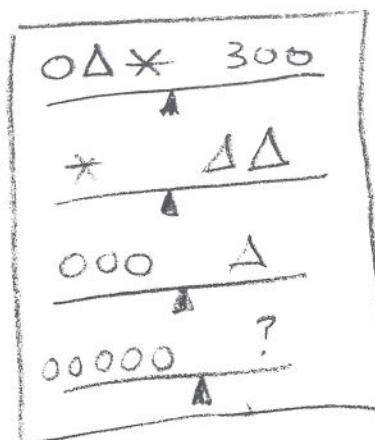
Total =
71

17		1		
	5		14	16
4	6	13		
	12		21	3
11			2	

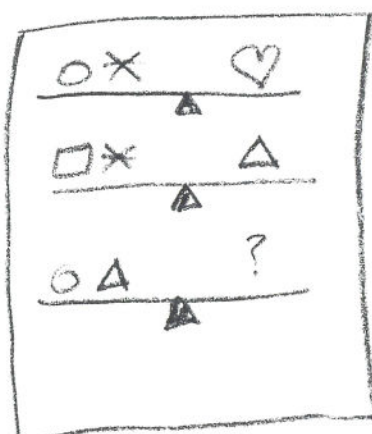
Use 1-25
Total =
65



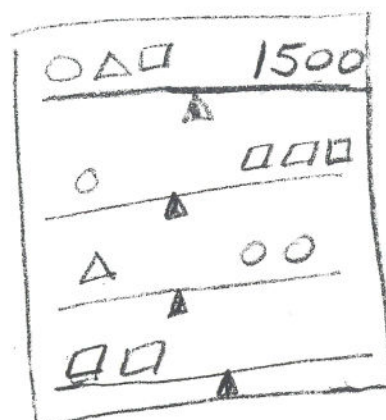
- (a) o o
- (b) Δ o
- (c) Δ
- (d) * o o
- (e) Δ Δ



- (a) □ □
- (b) Δ □ o
- (c) □ □ Δ
- (d) □ o
- (e) □ o □



- (a) ♥
- (b) □ *
- (c) □ ♥
- (d) □ □
- (e) * ♥



*	o	□		= 12
*	o	o	*	= 14
o	o	Δ	o	= 7
Δ	Δ	Δ	Δ	= 10
*	□	*	□	= 18

*	Δ	= 40
Δ	o	= 60
*	o	= 52

$$* =$$

$$\Delta =$$

$$o =$$

These are Katies:

9 21 30 6 18

These are not Katies:

4 10 8 7 16

Which of these are Katies?

3 20 90 15 100

A heater increases the temperature $1\frac{1}{2}$ degrees every $\frac{1}{4}$ hour. If it starts at 65° at 1:15, what is the temperature at 2:30?