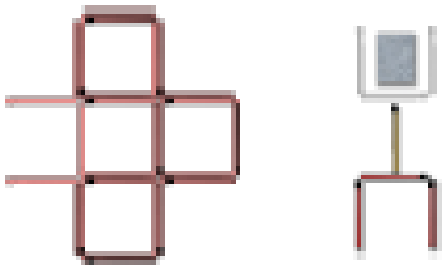


SOLUTIONS

SOLUTION: MATCHSTICK PUZZLES



SOLUTION: NUMBER CROSS-PUZZLE

3	1	5		1	6	2
	6	4			2	1
1	0		4	4	4	
7		3	2	5		4
	2	6	9		5	0
6	0			3		4
1	6	4		1	4	

SOLUTION: ADDITION SQUARES

5	5	5	5	5	25
2	8	5	2	8	25
3	3	3	3	3	15
4	6	2	4	6	22
2	3	2	3	2	12
16	25	17	17	24	99

5	1	5	4	2	17
1	9	5	2	8	25
7	2	3	8	10	30
4	6	4	6	2	22
1	1	9	10	9	30
18	19	26	30	31	124

SOLUTION: HIDDEN SHAPES: 10 AND 30

Hidden Shape Puzzle: look at each box. If the sum adds up to 10, colour the box. Find the shape					
3+7	2+2	1+4	6+3	6+2	7+3
3+3	4+6	8+1	1+7	9+1	6+2
4+4	2+2	0+10	6+4	5+3	5+2
4+5	7+4	5+5	10+0	2+2	7+4
8+0	4+6	2+6	6+1	9+1	8+1
2+8	3+5	4+2	1+1	6+2	7+3

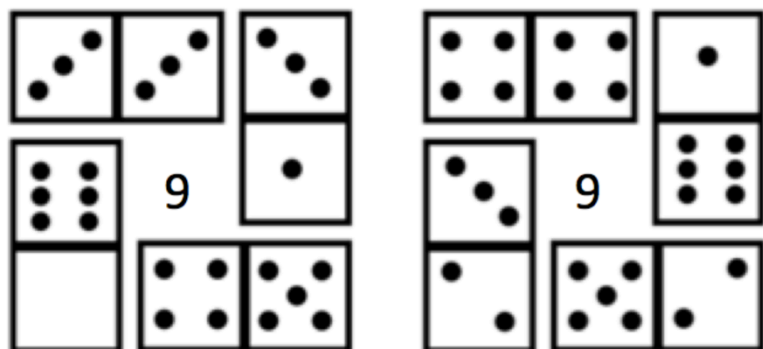
Hidden Shape Puzzle: look at each box. If the sum adds up to 30, colour the box. Find the shape.						
17+7	13+15	11+13	15+15	5+21	6+23	15+14
19+3	10+10	10+5+15	12+12	17+13	19+7	21+8
16+11	5+5+20	9+9+2	3+17+4	7+7+7	20+10	6+6+6
8+8+14	2+18+6	19+1+5	8+8+8	12+6	20+5	9+21
25+2	12+12+6	17+3+7	6+14	6+6+6	19+11	19+6
18+4	13+12	2+28	3+3+4	22+8	10+14	9+9+2
7+14	19+10	8+16	14+16	13+4	22+7	9+12

SOLUTION: HIDDEN SHAPE PUZZLE: 100

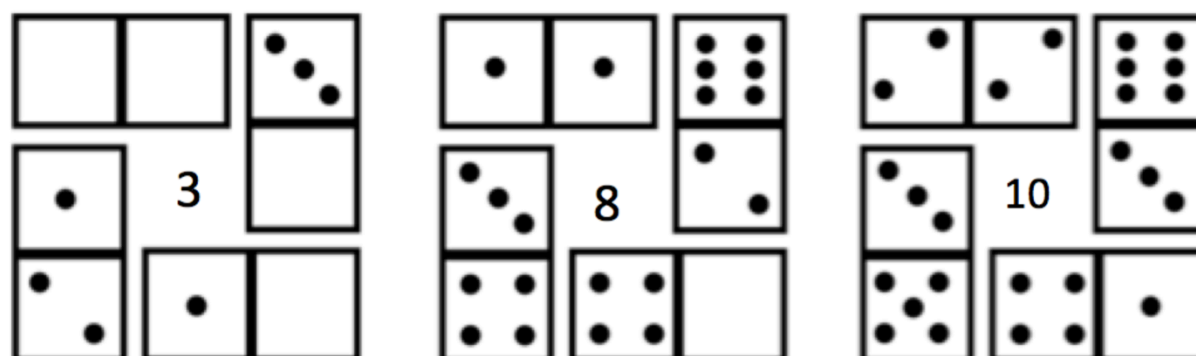
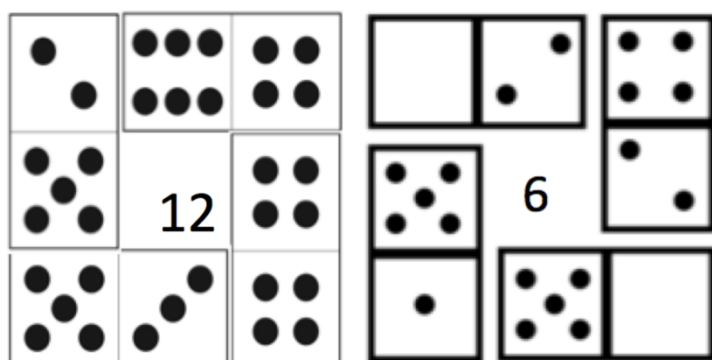
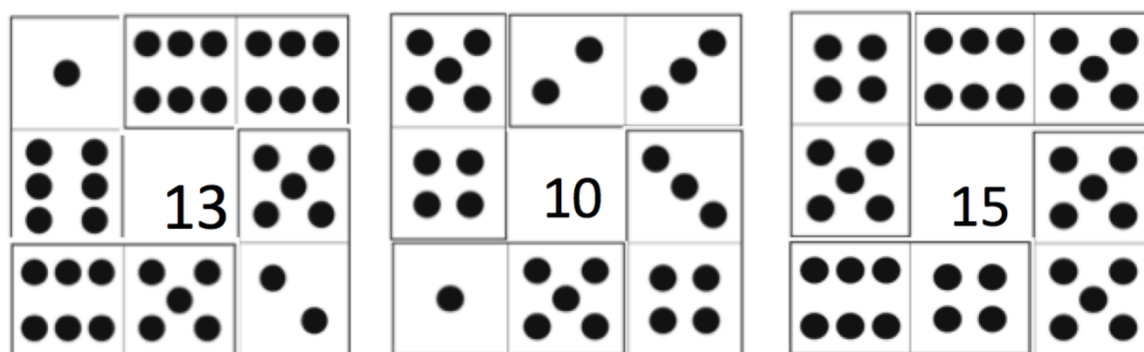
Hidden Shape Puzzle: look at each box. If the sum adds up to 100, colour the box. Find the shape						
7+60	13+80	11+40	15+60	21+50	50+20	70+3
19+50	50+50	6+94	75+25	82+18	82+10	21+70
16+40	80+20	75+10	30+50	30+70	75+20	60+13
16+25	70+30	65+20	80+10	25+25+50	25+25+40	9+21
25+30	45+55	80+10	30+50	10+90	78+2	52+5
22+55	65+35	90+10	85+15	95+5	10+14	78+5
23+40	10+35	18+20	14+25	13+45	45+12	63+12

SOLUTION: DOMINO WINDOWS

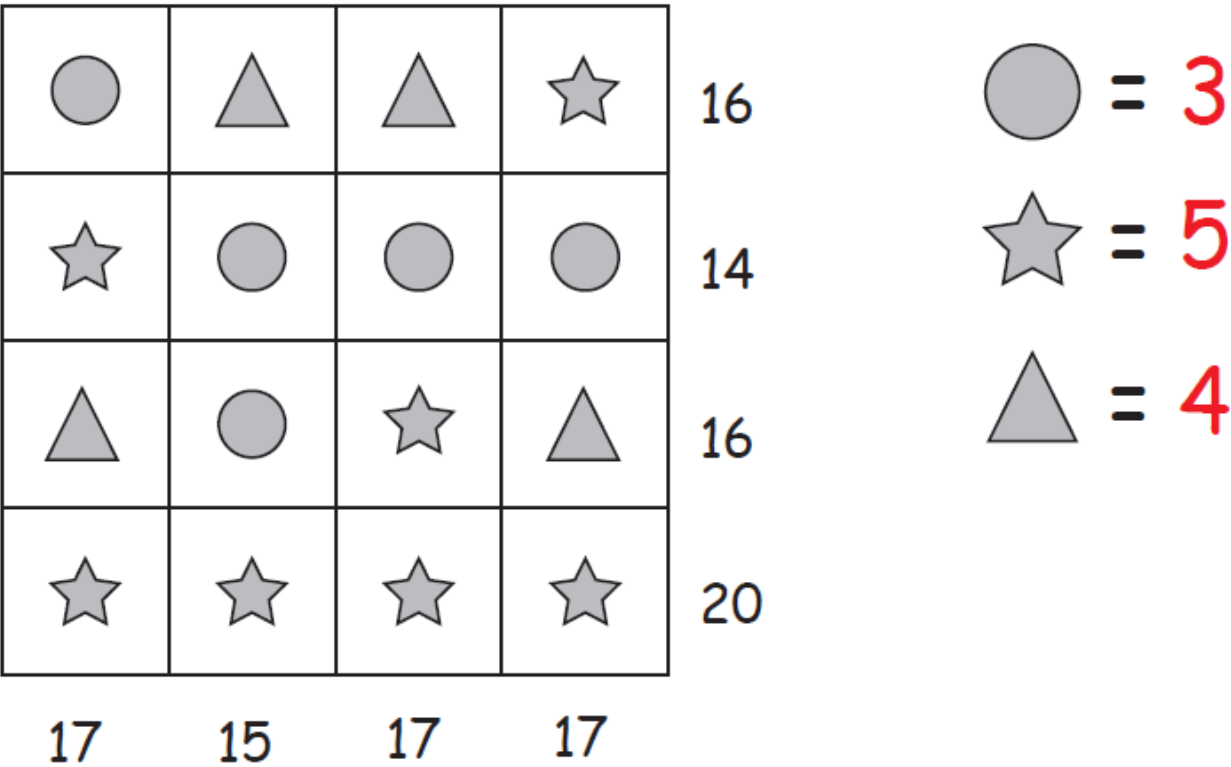
Add to 9



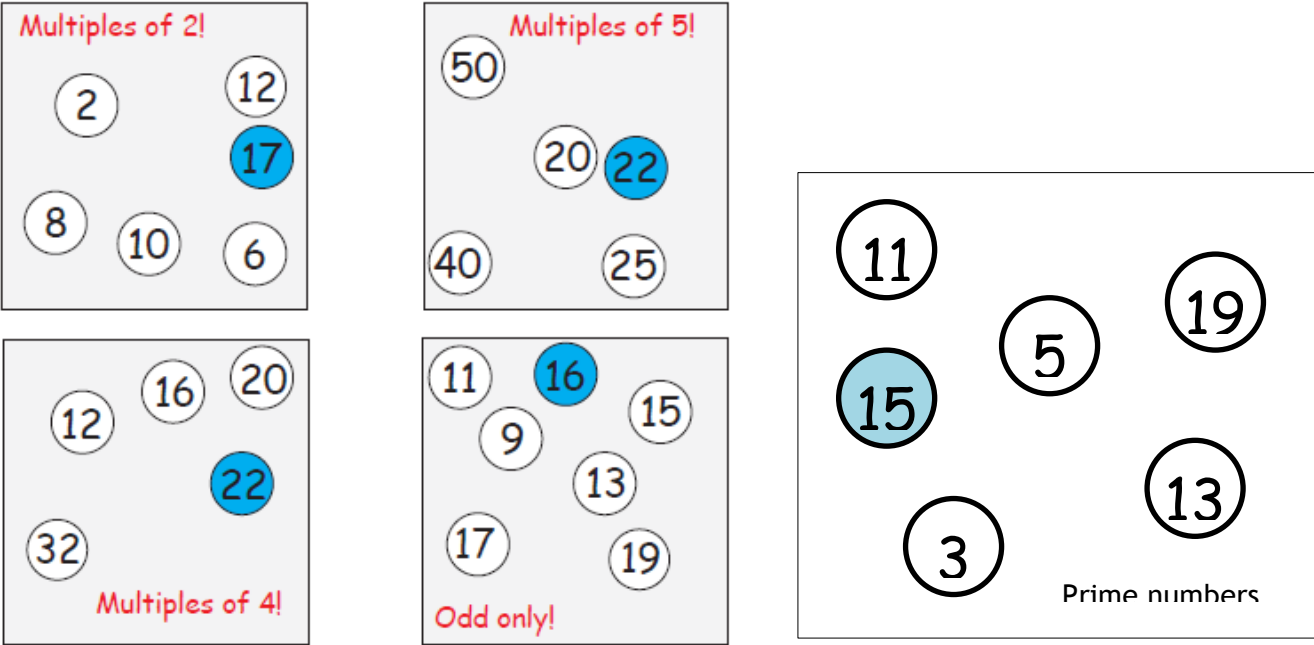
Other examples



SOLUTION: SHAPE PUZZLE



SOLUTION: WHICH ONE IS DIFFERENT?



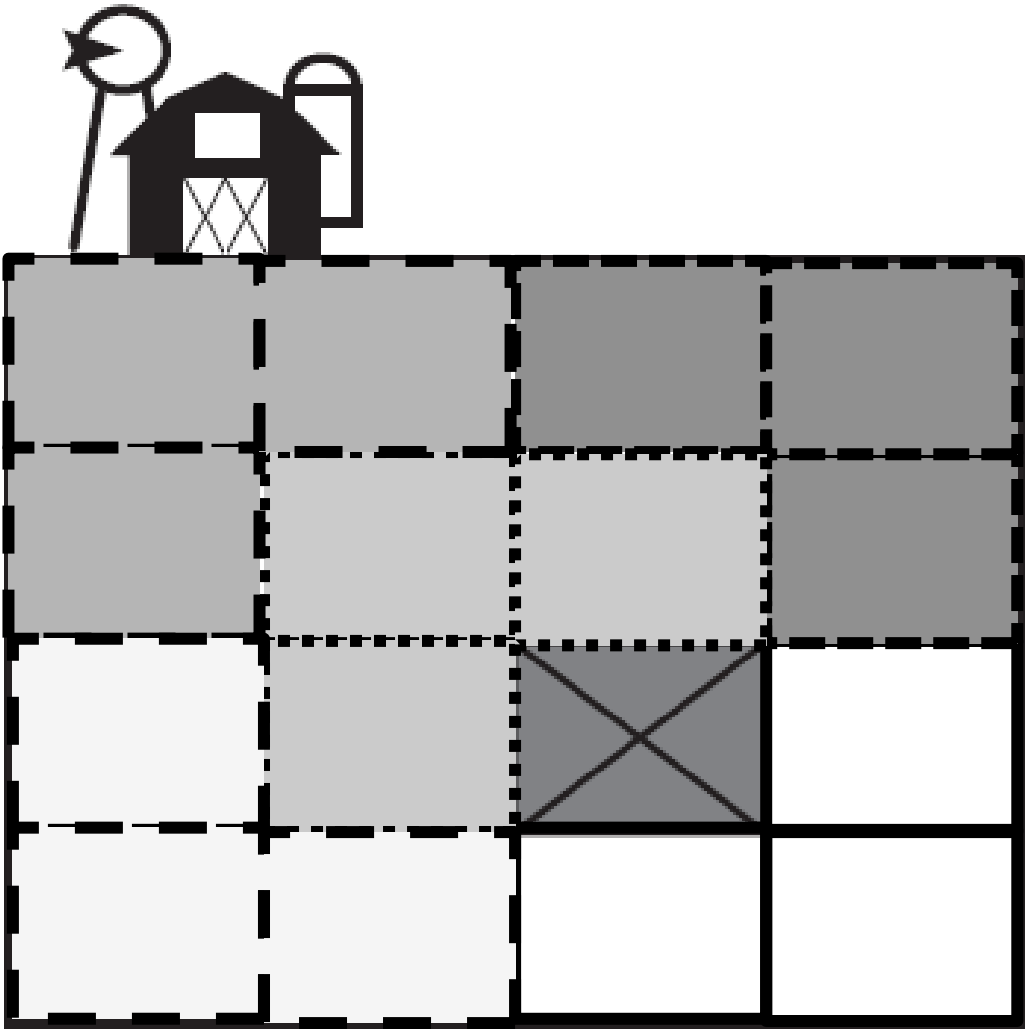
SOLUTION: A BIT FISHY

4 angel fish	R5.60
8 goldfish	R14.40

SOLUTION: COOKIES

How many cookies in the		6
How many cookies in the		10

SOLUTION: FIELD WORK

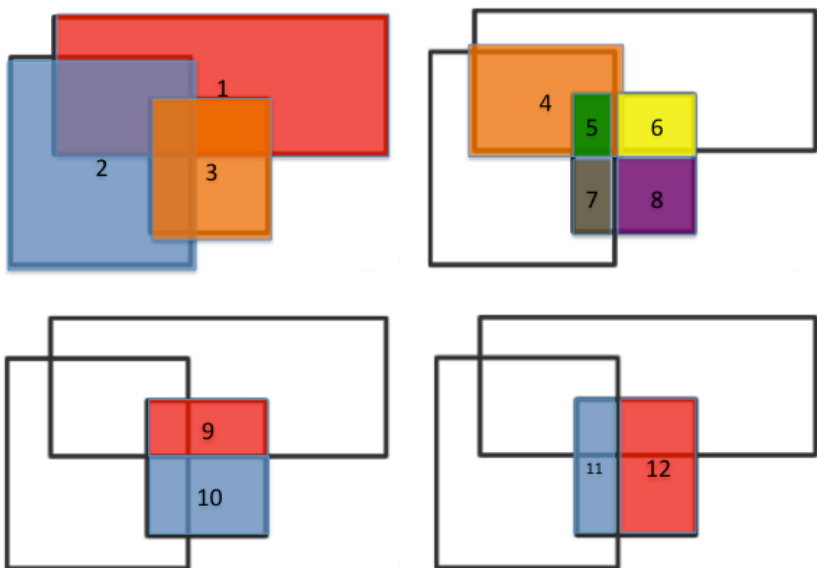


SOLUTION: ADDITION SQUARES

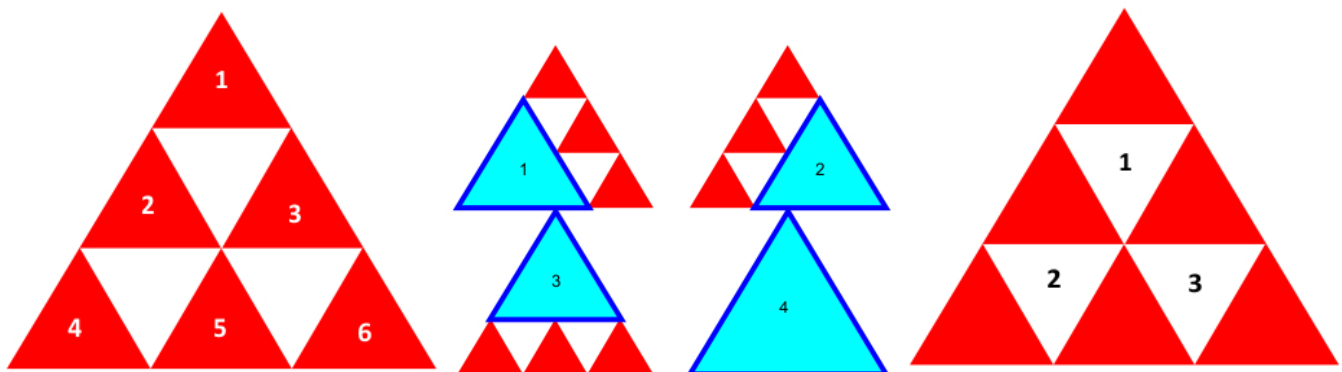
3	+	2	+	3	=	8
+		+		+		+
3	+	2	+	2	=	7
+		+		+		+
2	+	5	+	4	=	11
=		=		=		=
8	+	9	+	9	=	26

5	+	4	+	4	=	13
+		+		+		+
2	+	5	+	4	=	11
+		+		+		+
3	+	2	+	5	=	10
=		=		=		=
10	+	11	+	13	=	34

SOLUTION: HOW MANY: RECTANGLES

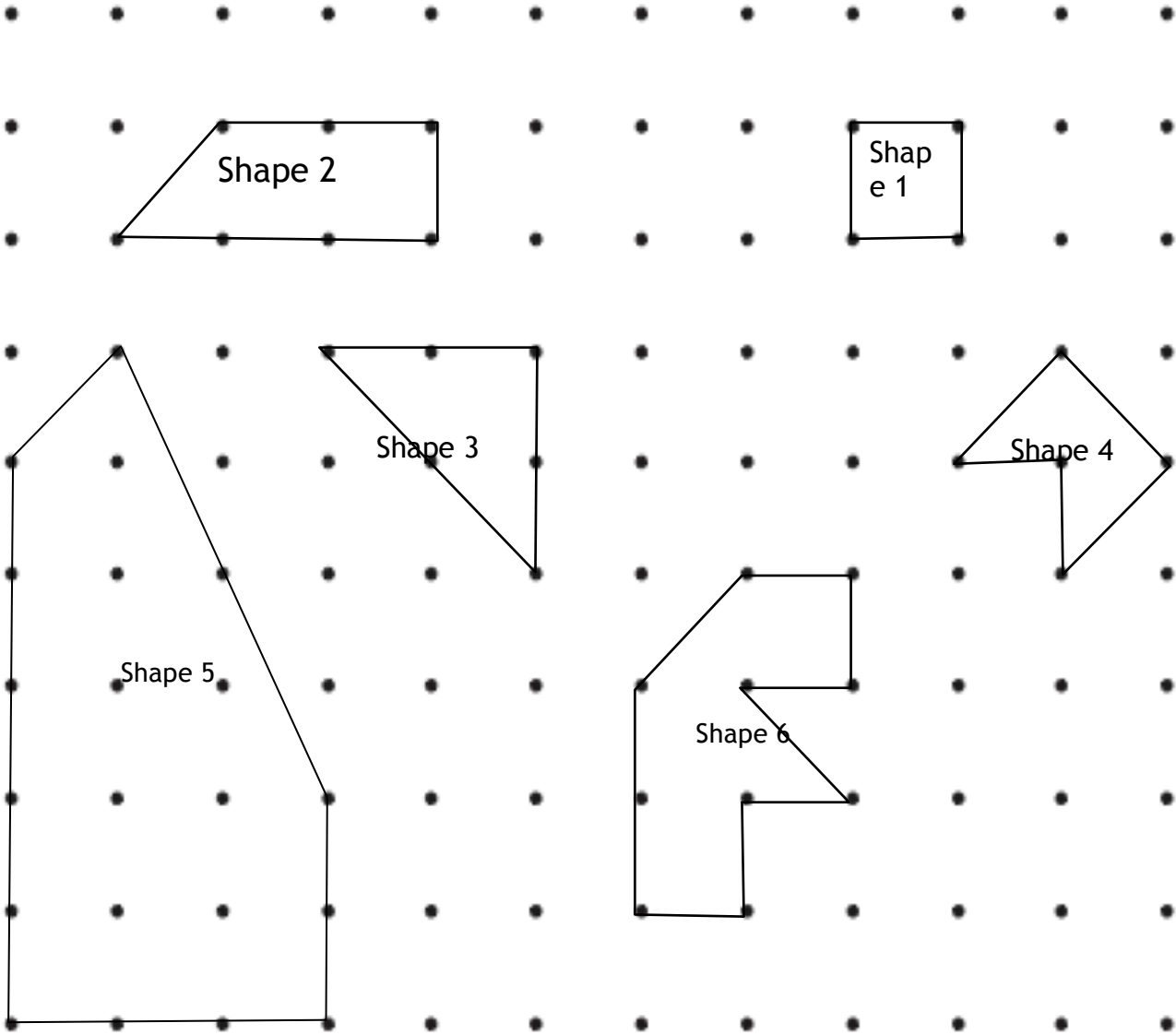


SOLUTION: HOW MANY: TRIANGLES

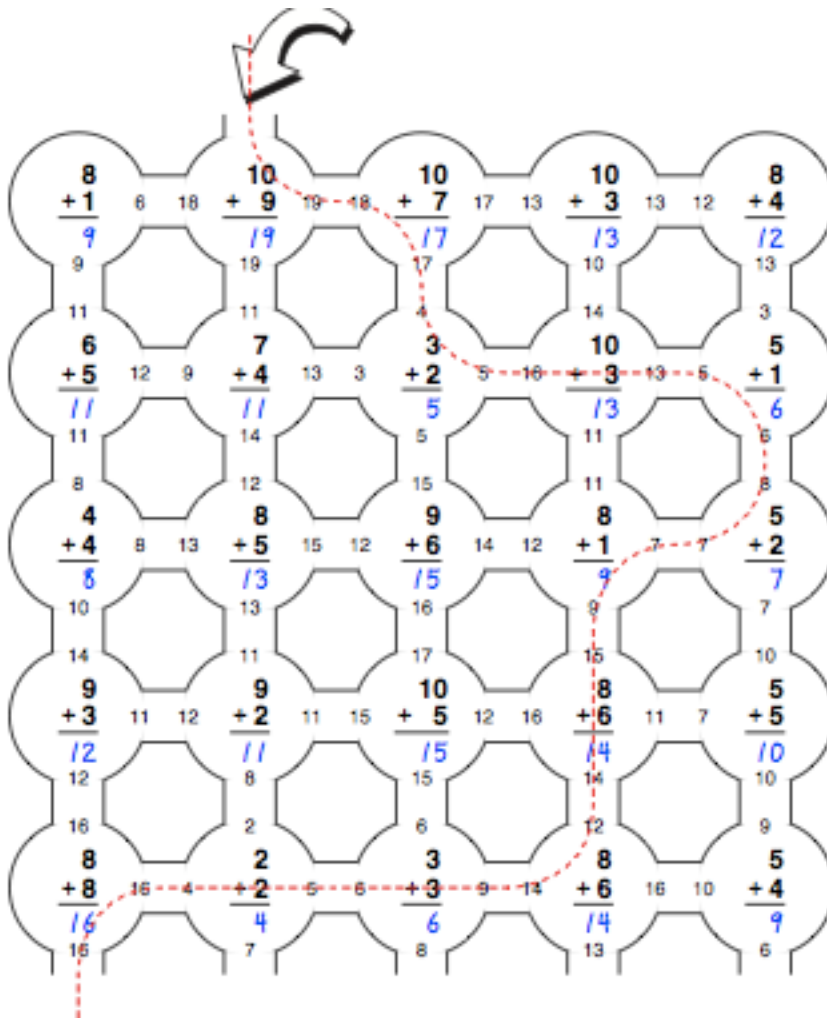


SOLUTION: DOTTY SHAPES

Shape	Area		Shape	Area
1	1		4	1.5
2	2.5		5	8.5
3	2		6	13.5



SOLUTION: ADDITION MAZE



SOLUTION: CALCULATOR PUZZLES

Light Blue cards

$$15+8=23$$

$$23+6=29$$

$$18-7=11$$

$$25-3=22$$

Purple cards

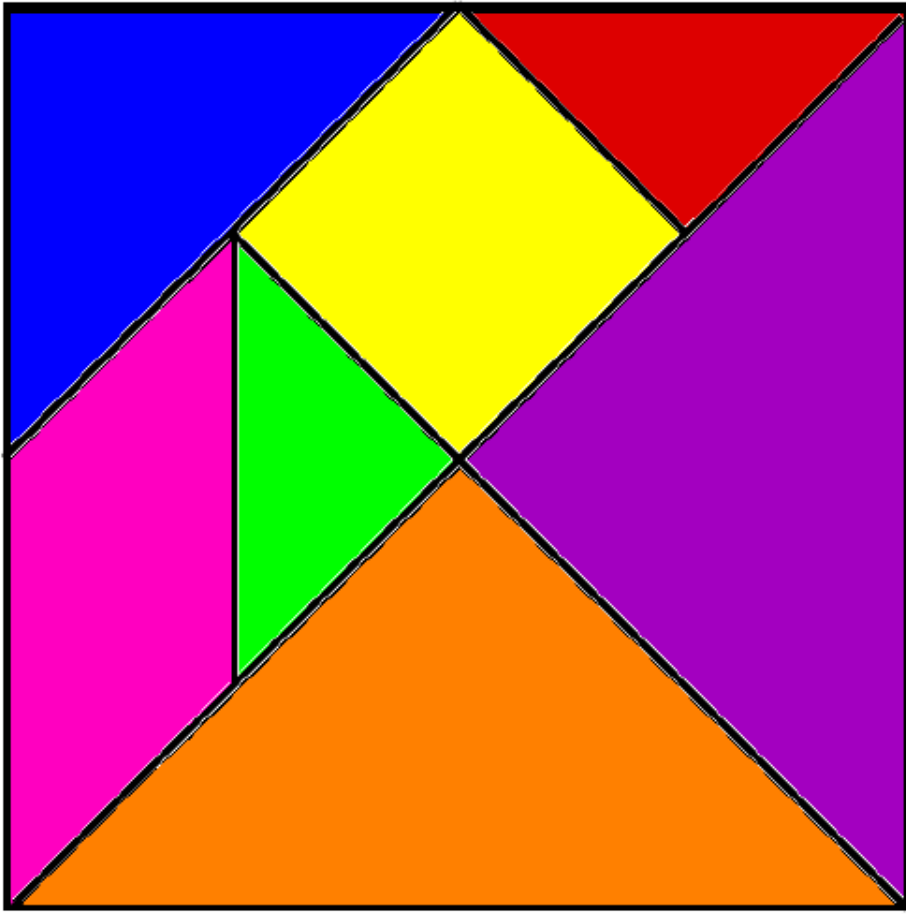
$$85+13=98$$

$$26+73=99$$

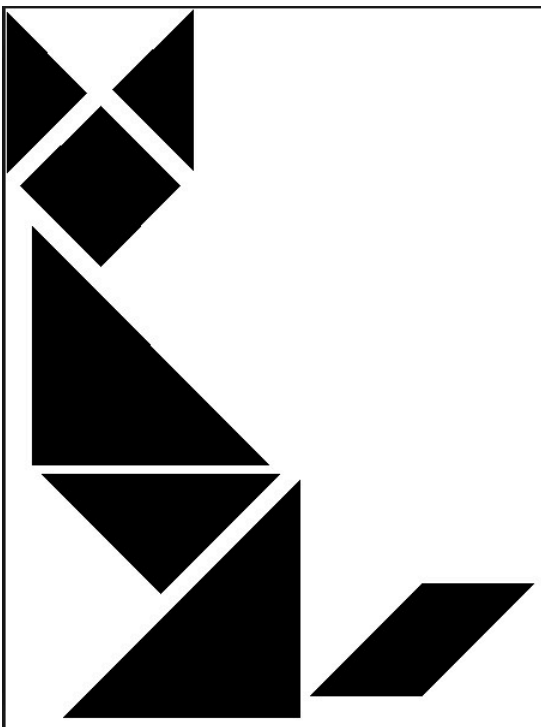
$$41-23=18$$

$$73-45=28$$

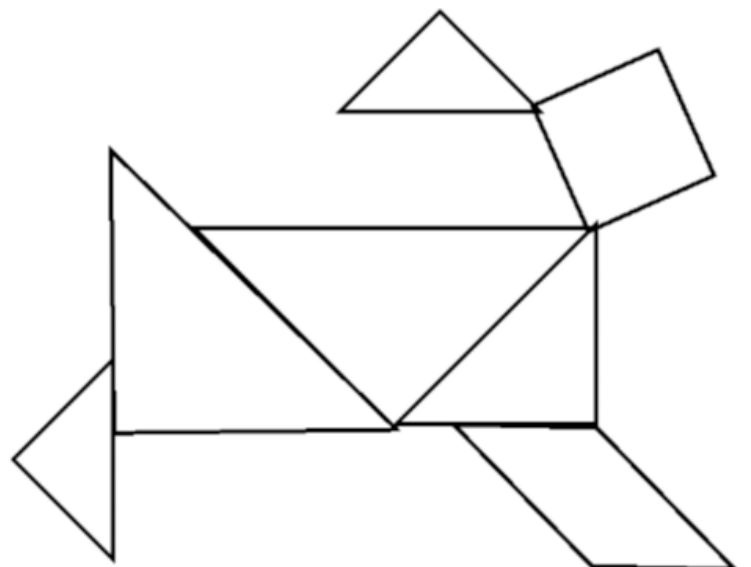
SOLUTION: TANGRAM



CAT



DOG



1 Four-pin bowling

Score 5 by knocking down 1 and 4,
or 2 and 3.

Score 6 by knocking down 2 and 4,
or 1, 2 and 3.

Score 7 by knocking down 3 and 4,
or 1, 2 and 4.



19 Coloured shapes

SOLUTION: MAKE 24 CARDS

8 6 2 2

$8+(6+2) \times 2 = 24$
 $8+(6+2) \times 2 = 24$
 $(8+6-2) \times 2 = 24$
 $(8+6-2) \times 2 = 24$
 $8+(6+2) \times 2 = 24$
 $8+(6+2) \times 2 = 24$
 $(8+6-2) \times 2 = 24$
 $(8+6-2) \times 2 = 24$
 $8+(2+6) \times 2 = 24$
 $8+(2+6) \times 2 = 24$

3 2 6 3

$(3 \times 2) + (6 \times 3) = 24$
 $(3 \times 2) + 6 \times 3 = 24$
 $(3 \times 2 + 6 \times 3) = 24$
 $(3 \times 2 + 6 \times 3) = 24$
 $3 \times 2 + (6 \times 3) = 24$
 $3 \times 2 + (6 \times 3) = 24$
 $(3-2+3) \times 6 = 24$
 $(3-2+3) \times 6 = 24$
 $(3 \times 2) + (3 \times 6) = 24$
 $(3 \times 2) + 3 \times 6 = 24$

4 5 2 2

$4+5 \times (2+2) = 24$
 $4+5 \times (2+2) = 24$
 $(4+5 \times 2 \times 2) = 24$
 $(4+5 \times 2 \times 2) = 24$
 $4+(5 \times 2) \times 2 = 24$
 $4+(5 \times 2) \times 2 = 24$
 $4+(5 \times 2 \times 2) = 24$
 $4+(5 \times 2 \times 2) = 24$
 $4+5 \times (2 \times 2) = 24$
 $4+5 \times (2 \times 2) = 24$

5 5 4 1

$(5+5 \times 4) - 1 = 24$
 $(5+5 \times 4) - 1 = 24$
 $(5+5 \times 4 - 1) = 24$
 $(5+5 \times 4 - 1) = 24$
 $5+(5 \times 4) - 1 = 24$
 $5+(5 \times 4) - 1 = 24$
 $5+(5 \times 4 - 1) = 24$
 $5+(5 \times 4 - 1) = 24$
 $5 \times (5-1) + 4 = 24$
 $5 \times (5-1) + 4 = 24$

SOLUTIONS: SEQUENCING PUZZLES

