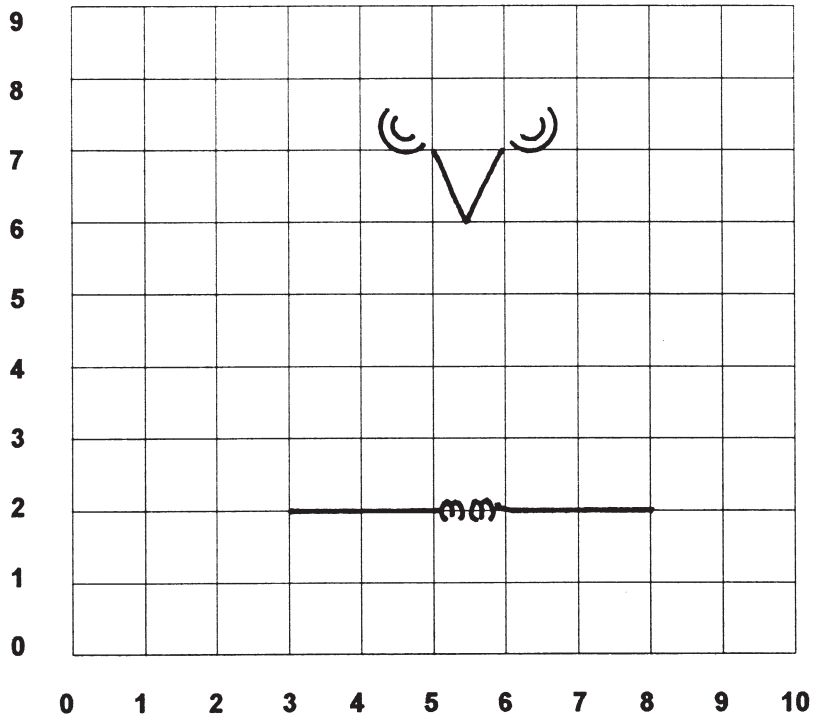
SAMPLE PUZZLE #1



Work all the problems. Then start with #1. The divisor tells how many lines to move toward the right in the grid, starting at zero. The quotient tells how many lines to move upward, starting at zero. When you've moved the correct distance in both directions, make a dot. Do the same for #2. Draw a line from the #1 dot to the #2 dot. Make the dot for #3. Draw a line from the #2 dot to the #3 dot. Continue until you get to the last problem.

1. $32 \div 4 =$ ___
2. $35 \div 5 =$ ___
3. $42 \div 6 =$ ___
4. $56 \div$ ___ $= 8$
5. $63 \div 7 =$ ___
6. $48 \div 6 =$ ___
7. $40 \div$ ___ $= 8$
8. $36 \div 4 =$ ___
9. $24 \div 4 =$ ___
10. $3 \div 1 =$ ___
11. $9 \div 3 =$ ___
12. $16 \div$ ___ $= 4$
13. $12 \div 4 =$ ___
14. $10 \div$ ___ $= 2$
15. $4 \div 4 =$ ___
16. $7 \div 7 =$ ___
17. $12 \div 6 =$ ___
18. $21 \div 7 =$ ___
19. $28 \div 7 =$ ___
20. $24 \div 8 =$ ___
21. $30 \div$ ___ $= 3$
22. $40 \div 8 =$ ___
23. $42 \div$ ___ $= 6$
24. $56 \div 7 =$ ___

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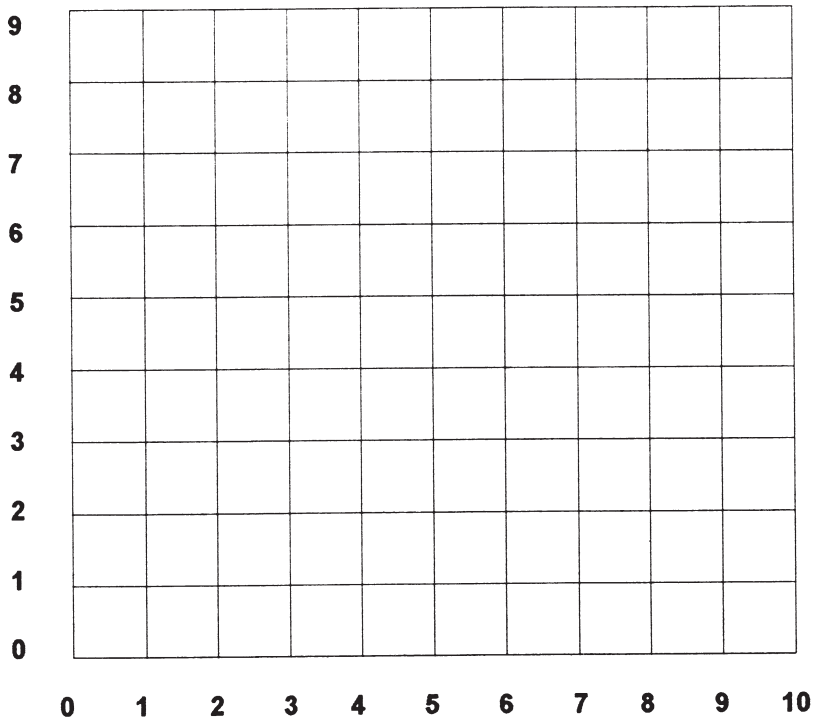
SAMPLE PUZZLE #2



Work all the problems. Then start with #1. The divisor tells how many lines to move toward the right in the grid, starting at zero. The quotient tells how many lines to move upward, starting at zero. When you've moved the correct distance in both directions, make a dot. Do the same for #2. Draw a line from the #1 dot to the #2 dot. Make the dot for #3. Draw a line from the #2 dot to the #3 dot. Continue until you get to the last problem. **Draw a line from the last dot to the beginning dot.**

1. $0 \div 1 =$ ___
2. $2 \div$ ___ $= 2$
3. $6 \div 2 =$ ___
4. $8 \div 2 =$ ___
5. $12 \div 3 =$ ___
6. $20 \div$ ___ $= 5$
7. $18 \div 3 =$ ___
8. $16 \div 2 =$ ___
9. $28 \div 4 =$ ___
10. $30 \div$ ___ $= 6$
11. $42 \div 6 =$ ___
12. $48 \div 6 =$ ___
13. $56 \div 7 =$ ___
14. $72 \div 8 =$ ___
15. $81 \div 9 =$ ___
16. $90 \div$ ___ $= 9$
17. $28 \div 7 =$ ___
18. $24 \div$ ___ $= 3$
19. $18 \div 9 =$ ___
20. $20 \div$ ___ $= 2$
21. $0 \div 8 =$ ___
22. $8 \div 8 =$ ___
23. $14 \div 7 =$ ___
24. $18 \div 6 =$ ___

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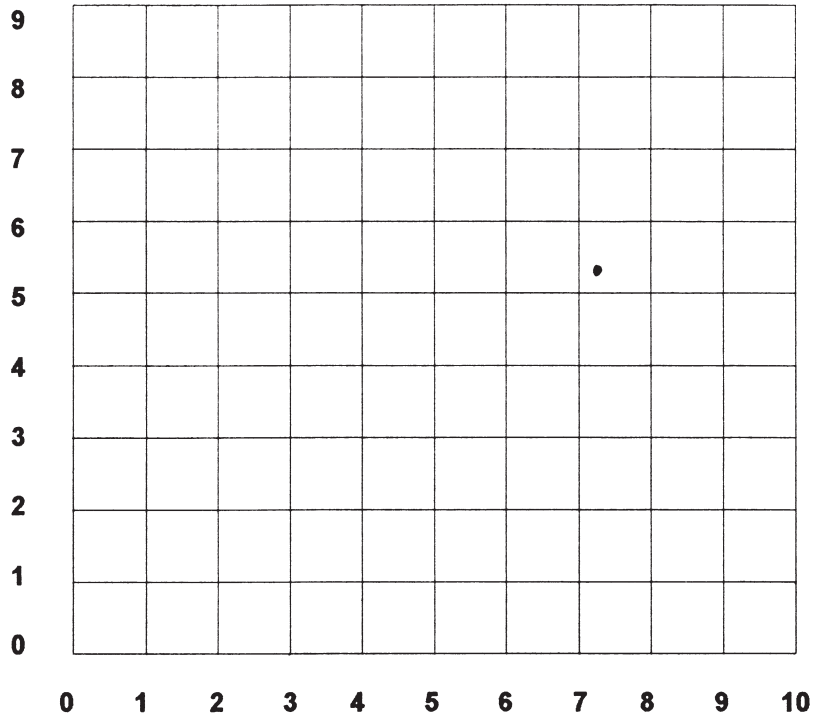
SAMPLE PUZZLE #3



Work all the problems. Then start with #1. The divisor tells how many lines to move toward the right in the grid, starting at zero. The quotient tells how many lines to move upward, starting at zero. When you've moved the correct distance in both directions, make a dot. Do the same for #2. Draw a line from the #1 dot to the #2 dot. Make the dot for #3. Draw a line from the #2 dot to the #3 dot. Continue until you get to the last problem.

1. 18 ÷ 6 = ___
2. 14 ÷ ___ = 2
3. 10 ÷ 5 = ___
4. 12 ÷ 3 = ___
5. 16 ÷ 4 = ___
6. 25 ÷ 5 = ___
7. 15 ÷ ___ = 3
8. 24 ÷ 6 = ___
9. 35 ÷ 7 = ___
10. 42 ÷ ___ = 6
11. 56 ÷ 8 = ___
12. 64 ÷ 8 = ___
13. 63 ÷ 7 = ___
14. 54 ÷ 6 = ___
15. 40 ÷ ___ = 8
16. 35 ÷ 5 = ___
17. 36 ÷ 6 = ___
18. 42 ÷ 7 = ___
19. 40 ÷ 8 = ___
20. 32 ÷ ___ = 4
21. 27 ÷ 9 = ___
22. 24 ÷ 8 = ___
23. 14 ÷ 7 = ___
24. 21 ÷ ___ = 3

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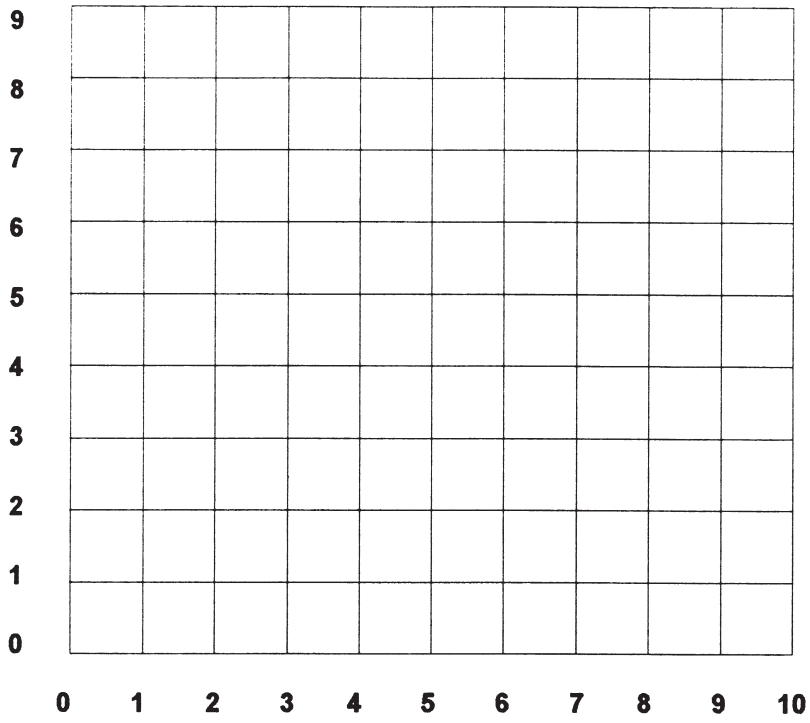
SAMPLE PUZZLE #4



Work all the problems. Then start with #1. The divisor tells how many lines to move toward the right in the grid, starting at zero. The quotient tells how many lines to move upward, starting at zero. When you've moved the correct distance in both directions, make a dot. Do the same for #2. Draw a line from the #1 dot to the #2 dot. Make the dot for #3. Draw a line from the #2 dot to the #3 dot. Continue until you get to the last problem. **Draw a line from the last dot to the beginning dot.** (Some numbers have the distances given without having to work a problem.)

1. 35 ÷ ___ = 7
2. 32 ÷ 4 = ___
3. 24 ÷ 3 = ___
4. 14 ÷ 2 = ___
5. 10 ÷ ___ = 5
6. 12 ÷ 4 = ___
7. 10 ÷ 5 = ___
8. 18 ÷ 6 = ___
9. 28 ÷ 7 = ___
10. 40 ÷ 8 = ___
11. 48 ÷ ___ = 6
12. 56 ÷ 8 = ___
13. 56 ÷ 7 = ___
14. 48 ÷ 6 = ___
15. 35 ÷ 5 = ___
16. 27 ÷ 3 = ___
17. 9 ÷ 1 = ___
18. (0 , 7)
19. (0 , 5)
20. 0 ÷ 5 = ___
21. 24 ÷ 8 = ___
22. 36 ÷ 9 = ___
23. 50 ÷ ___ = 5
24. 70 ÷ ___ = 7
25. 81 ÷ 9 = ___
26. 72 ÷ 8 = ___
27. 63 ÷ 7 = ___

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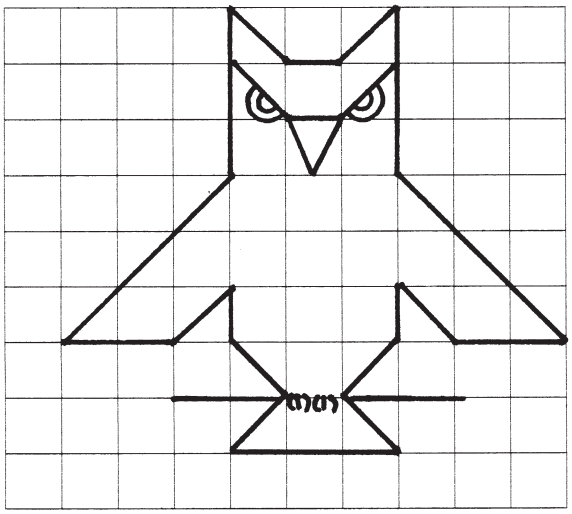
MATH MOSAICS

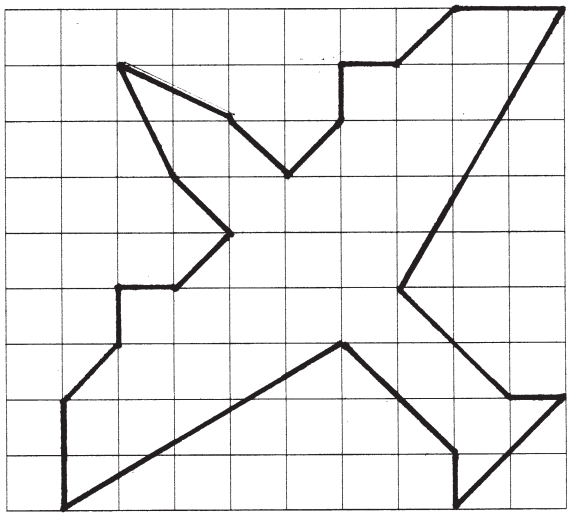
DIVISION DESIGNS

SOLUTION FOR PUZZLE #1



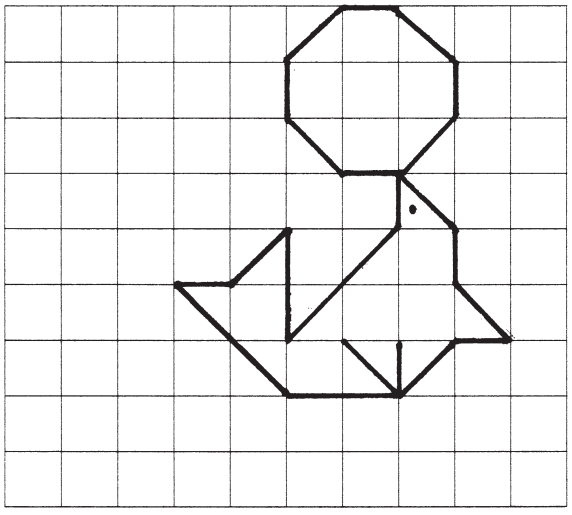
8	6	2
7	3	3
7	3	4
7	4	3
9	3	10
8	5	5
5	1	7
9	1	8

SOLUTION FOR PUZZLE #2



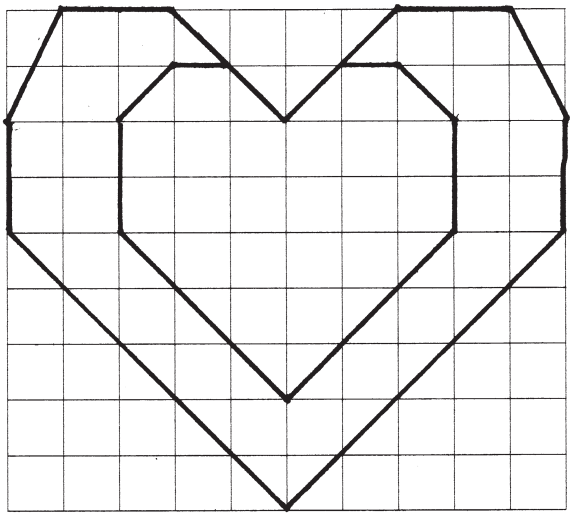
0	7	4
1	5	8
3	7	2
4	8	10
4	8	0
4	9	1
6	9	2
8	10	3

SOLUTION FOR PUZZLE #3



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

SOLUTION FOR PUZZLE #4



5	5	--
8	8	0
8	7	3
7	8	4
2	8	10
3	7	10
2	9	9
3	9	9
4	--	9

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