

Decimal and Fraction Puzzles

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Answer Key

- **Multi-Sign Puzzles and Missing Sign Puzzles**
- **Magic Square Addition and Magic Square Multiplication Puzzles**
- **Six-Pointed Completion Star, Cross-Number, Mystic Square, Magic Triangle, Magic Wheel, Five-Pointed Magic Star, and Six Pointed Magic Star Puzzles**

Decimal and Fraction Puzzles

Name _____

Date _____

MULTI-SIGN PUZZLE 1

.4	×		÷		=	.6
×		×		×		+
.2	×		÷	.2	=	
÷		÷		÷		-
	×	.6	÷		=	
=		=		=		=
.8	+		-	.8	=	.3

MAGIC SQUARE MULTIPLICATION PUZZLES

		1.6
	.2	
.025		.1

3

		2.7
	8.1	
24.3		.3

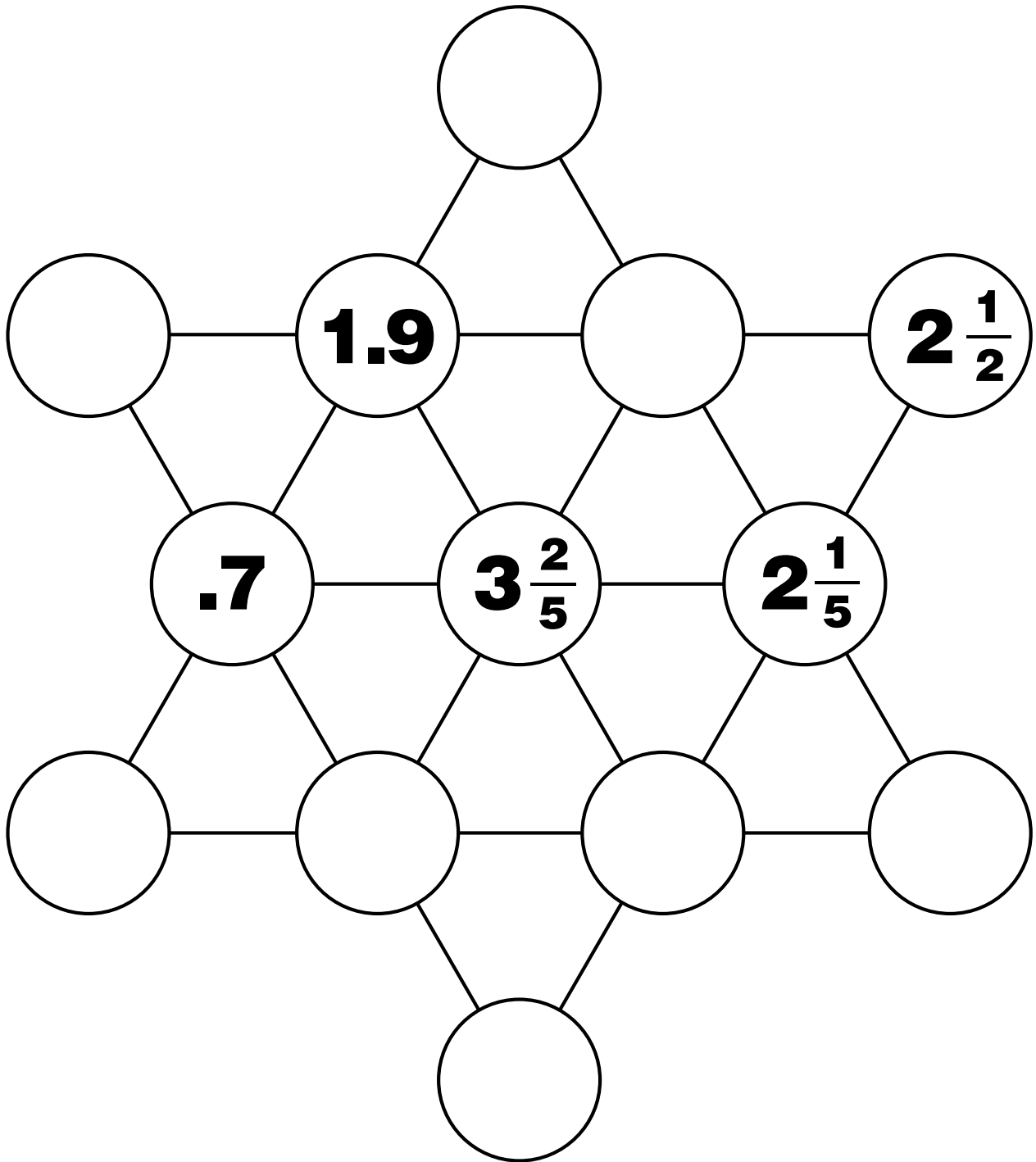
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Decimal and Fraction Puzzles

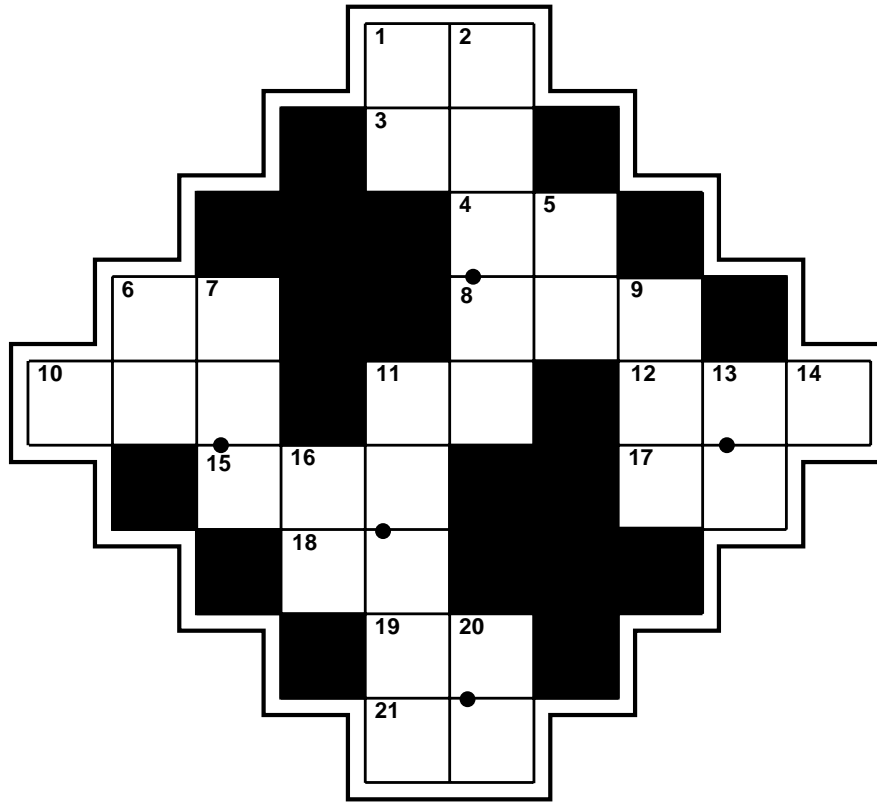
Name _____

Date _____

SIX-POINTED COMPLETION STAR PUZZLE 3



CROSS-NUMBER PUZZLE 2



Horizontal

1. Nearest number of thousands in 12,508.
3. $7,743 \div 89$.
4. Divide 273 by 420.
6. $5.267 + 3.9 + 13.45 + 6.383$.
8. 22.5×11.2 .
10. $11.2 \times 1 \frac{7}{8} \times 2.5$.
11. Number of thirds in $6 \frac{2}{3}$.
12. Which is the largest: .245; 2.54; .254; or 2.45?
15. $246.375 \div 3.65$.
17. Average of 72; 35; 89; 26; and 63.
18. Number of times 3.85 is contained in 215.6.
19. Subtract 4.7 from the product of $2 \frac{1}{4}$ and $3 \frac{1}{3}$.
21. From the sum of 72.75 and $27 \frac{3}{5}$ subtract 49.35.

Vertical

1. $2 \frac{2}{3} + 3 \frac{3}{4} + 4 \frac{11}{12} + 6 \frac{2}{3}$.
2. $41.8 \times \frac{2}{3} \times 13.5$.
5. Numerator when $6 \frac{7}{8}$ is changed to an improper fraction.
6. Express 22.496 to nearest whole number.
7. Change $95 \frac{3}{5}$ to a decimal number.
9. $2 \frac{1}{2} \times 1.8 \times 50$.
10. Solve: $\frac{56 \times 15 \times 36}{6 \times 42 \times 24}$
11. $5 \frac{1}{3} + 7.75 + 9 \frac{2}{3} + 2.875$.
13. Subtract 6.675 from the sum of $5 \frac{3}{4}$ and $6 \frac{5}{8}$.
14. Solve: $\frac{2.1 \times 1.2}{.09 \times 7}$
16. Subtract 33.875 from $108 \frac{7}{8}$.
20. Find the average of 9.1; 5.63; 8.9; 6.57; and 10.3.