

Fraction and Mixed Number 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**

Fraction and Mixed Number Puzzles

Name _____

Date _____

MULTI-SIGN PUZZLE 1

$\frac{2}{5}$	\div		$-$	$\frac{1}{2}$	$=$	
\times		\div		\times		\div
$\frac{1}{2}$	$+$	$\frac{2}{5}$	$-$		$=$	$\frac{1}{2}$
\div		$-$		\div		$-$
	$+$		$-$	$\frac{1}{2}$	$=$	
$=$		$=$		$=$		$=$
$\frac{1}{2}$	$+$		$-$		$=$	$\frac{1}{2}$

MAGIC SQUARE ADDITION PUZZLES

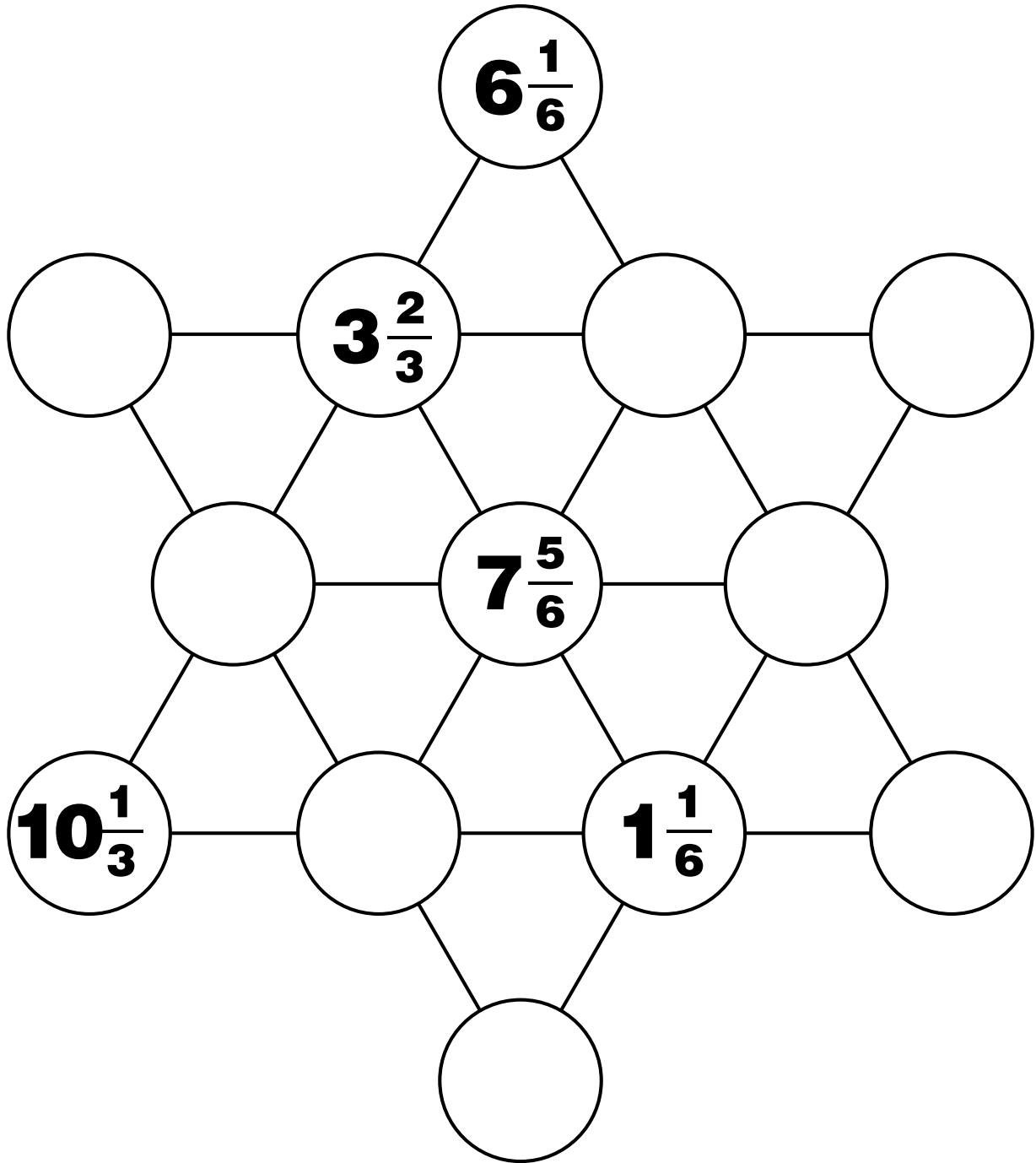
		$7\frac{3}{5}$
	$6\frac{1}{5}$	
$4\frac{4}{5}$	$11\frac{4}{5}$	

3

$8\frac{3}{4}$		
$3\frac{1}{8}$	$5\frac{3}{8}$	$7\frac{5}{8}$

4

SIX-POINTED COMPLETION STAR PUZZLE 2

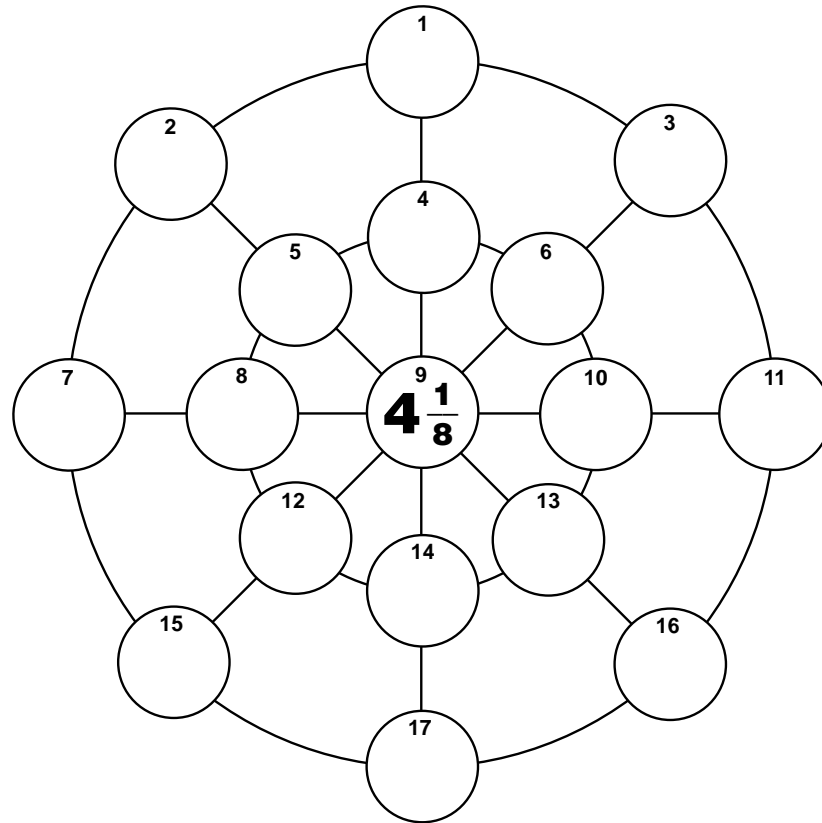


Fraction and Mixed Number Puzzles

Name _____

Date _____

MAGIC WHEEL PUZZLE



- $3\frac{1}{8} + 1\frac{1}{4} + 4\frac{3}{8} + 1\frac{1}{2}$.
- $\frac{1}{2}$ of what number is $1\frac{5}{8}$?
- $5\frac{3}{4} \div 3\frac{5}{6}$.
- $6\frac{3}{4} + 9\frac{1}{2} - 10\frac{3}{8}$.
- Least common denominator of $\frac{2}{3}$, $\frac{1}{6}$, $\frac{3}{4}$, and $\frac{1}{2}$.
- $8\frac{1}{4} \times 1\frac{2}{3}$.
- Subtract $6\frac{5}{6}$ from $15\frac{1}{3}$.
- If $12\frac{3}{8}$ is the minuend and $4\frac{3}{4}$ is the subtrahend, find the difference.
- Omit.
- Change $\frac{117}{8}$ to a mixed number.
- Choose the smallest fraction: $\frac{2}{3}$, $\frac{5}{8}$, or $\frac{3}{4}$.
- $4\frac{1}{2}$ is $\frac{2}{3}$ of what number?
- Numerator of the fraction $\frac{5}{16}$.
- $20\frac{3}{5} \times 6\frac{2}{3} \div 10\frac{2}{3}$.
- Multiply $8\frac{1}{3}$ by $1\frac{7}{8}$ and divide the product by $1\frac{2}{3}$.
- Find the sum of the following numbers: $3\frac{1}{2}$; $2\frac{3}{4}$; $1\frac{1}{4}$; and $3\frac{5}{8}$.
- Subtract $6\frac{1}{2}$ from $10\frac{3}{10}$ and divide the difference by $1\frac{3}{5}$.