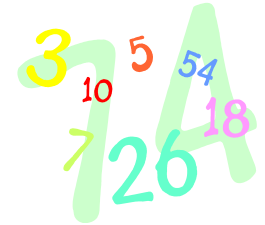




In a magic square, each row, column and diagonal add up to give the same number.
This number is called the magic number.



Complete each square and give its magic number.

1.

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

Magic number:

2.

| | | |
|----------------|--|---|
| $2\frac{1}{5}$ | | |
| $1\frac{2}{5}$ | | 2 |
| $1\frac{1}{2}$ | | |

Magic number:

3.

| | | |
|----------------|---|--|
| $\frac{1}{2}$ | | |
| $1\frac{2}{3}$ | 1 | |
| $\frac{5}{6}$ | | |

Magic number:

4.

| | | |
|----------------|---------------|--|
| $\frac{1}{6}$ | | |
| $\frac{7}{12}$ | $\frac{1}{3}$ | |
| $\frac{1}{4}$ | | |

Magic number:

5.

| | | |
|--|-----------------|-----------------|
| | | $3\frac{2}{5}$ |
| | $2\frac{9}{10}$ | $3\frac{3}{5}$ |
| | | $1\frac{7}{10}$ |

Magic number:

6.

| | | |
|----------------|------------------|----------------|
| | | $4\frac{3}{4}$ |
| | $3\frac{23}{24}$ | |
| $3\frac{1}{6}$ | | $6\frac{1}{3}$ |

Magic number:

Answers

1.

| | | |
|----------------|---|----------------|
| $5\frac{1}{2}$ | 2 | $4\frac{1}{2}$ |
| 3 | 4 | 5 |
| $3\frac{1}{2}$ | 6 | $2\frac{1}{2}$ |

Magic number: 12

2.

| | | |
|----------------|-----------------|-----------------|
| $2\frac{1}{5}$ | 1 | $1\frac{9}{10}$ |
| $1\frac{2}{5}$ | $1\frac{7}{10}$ | 2 |
| $1\frac{1}{2}$ | $2\frac{2}{5}$ | $1\frac{1}{5}$ |

Magic number: $5\frac{1}{10}$

3.

| | | |
|----------------|----------------|----------------|
| $\frac{1}{2}$ | $1\frac{1}{3}$ | $1\frac{1}{6}$ |
| $1\frac{2}{3}$ | 1 | $\frac{1}{3}$ |
| $\frac{5}{6}$ | $\frac{2}{3}$ | $1\frac{1}{2}$ |

Magic number: 3

4.

| | | |
|----------------|----------------|----------------|
| $\frac{1}{6}$ | $\frac{5}{12}$ | $\frac{5}{12}$ |
| $\frac{7}{12}$ | $\frac{1}{3}$ | $\frac{1}{12}$ |
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{2}$ |

Magic number: 1

5.

| | | |
|-----------------|-----------------|-----------------|
| $4\frac{1}{10}$ | $1\frac{1}{5}$ | $3\frac{2}{5}$ |
| $2\frac{1}{5}$ | $2\frac{9}{10}$ | $3\frac{3}{5}$ |
| $2\frac{2}{5}$ | $4\frac{3}{5}$ | $1\frac{7}{10}$ |

Magic number: $8\frac{7}{10}$

6.

| | | |
|-----------------|------------------|-----------------|
| $1\frac{7}{12}$ | $5\frac{13}{24}$ | $4\frac{3}{4}$ |
| $7\frac{1}{8}$ | $3\frac{23}{24}$ | $\frac{19}{24}$ |
| $3\frac{1}{6}$ | $2\frac{3}{8}$ | $6\frac{1}{3}$ |

Magic number: $11\frac{7}{8}$