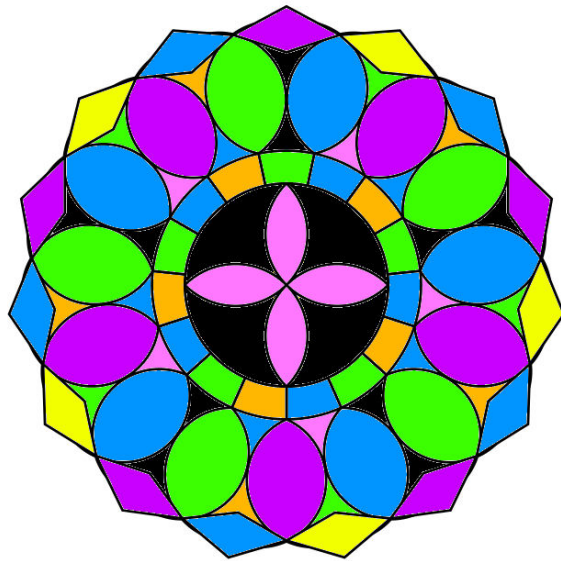


Color by Number



**THE REAL NUMBER
SYSTEM**

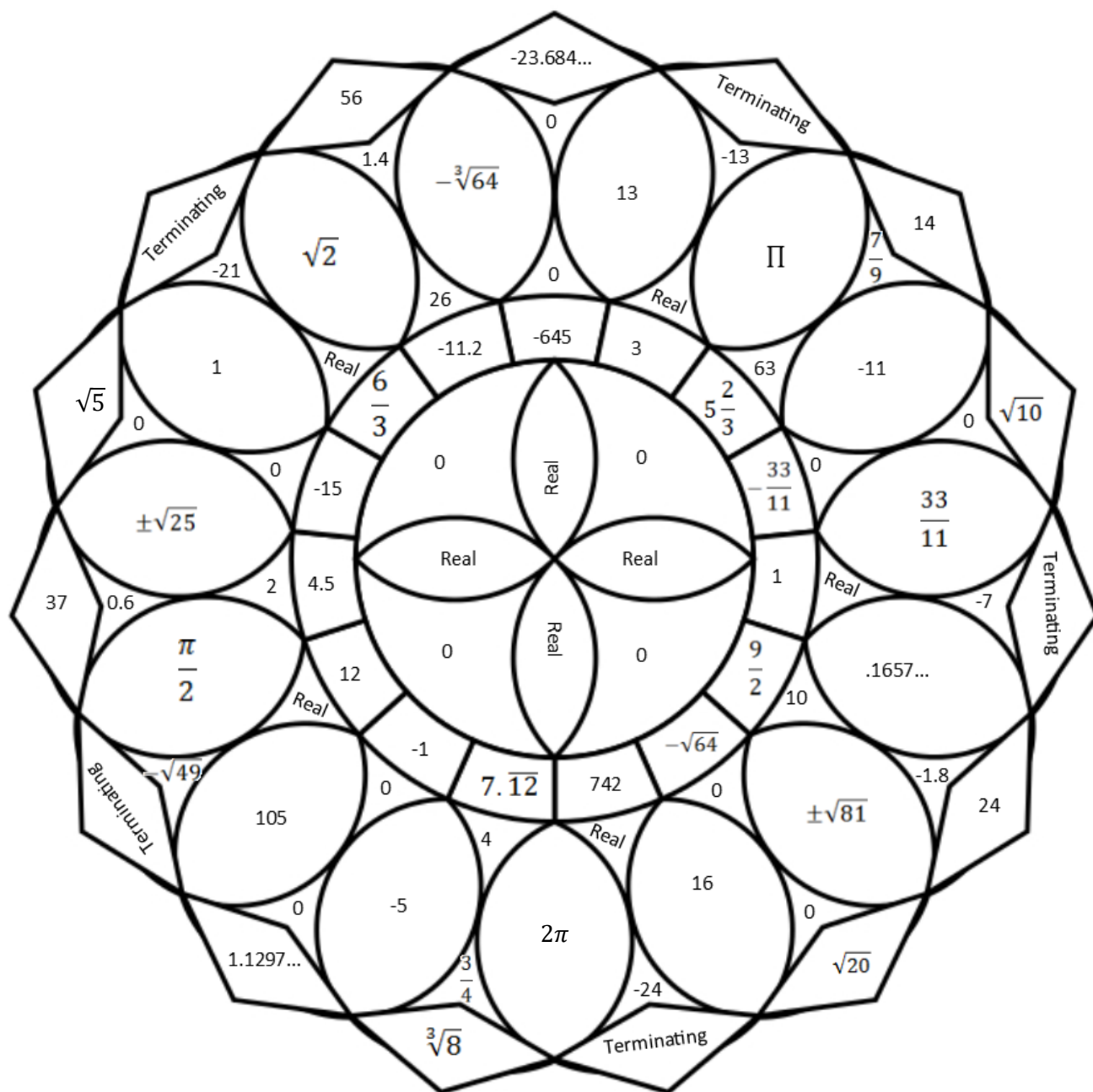
Name _____ Date _____

The Real Number System Color by Number

Directions: Read each description below and color the appropriate spaces on the picture with the color indicated.

| Description | Color |
|--|--------|
| 1. Numbers that are classified as natural, whole, integer, <i>and</i> rational (must fit all categories) | Blue |
| 2. The only number that differentiates the natural set from the whole set of numbers | Black |
| 3. Numbers that are classified as integers <i>and</i> rational | Green |
| 4. Numbers that are only classified as rational | Orange |
| 5. Numbers that are classified as irrational | Purple |
| 6. The name of a decimal that stops | Yellow |
| 7. The name of the entire system of rational and irrational numbers | Pink |

Name _____ Date _____

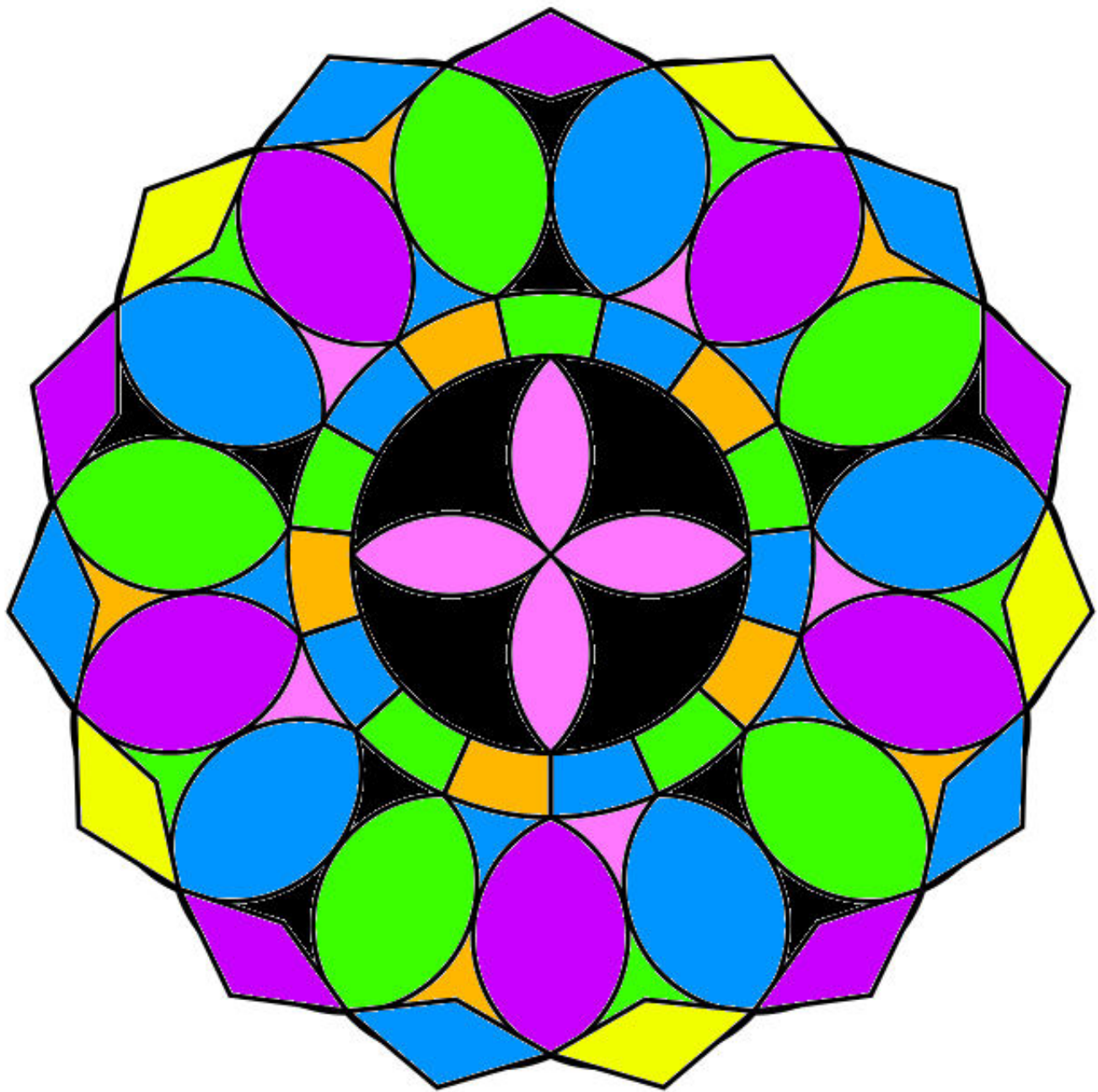


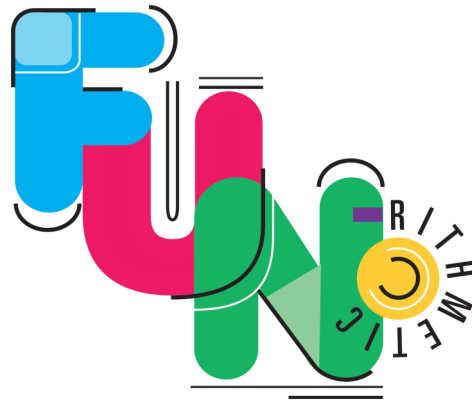
The Real Number System Color by Number—Answer Key

Directions: Read each description below and color the appropriate spaces on the picture with the color indicated.

| Description | Color |
|---|--------|
| 1. Numbers that are classified as natural, whole, integer, <i>and</i> rational (must fit all categories) $13; 14; 63; 3; \frac{33}{11}; 24; 10; 1; 16; \sqrt[3]{8}; 4; 742; 105; 37; 2; 12; 56; 26; \frac{6}{3}$ | Blue |
| 2. The only number that differentiates the natural set from the whole set of numbers 0 | Black |
| 3. Numbers that are classified as integers <i>and</i> rational $-\sqrt[3]{64}; -11; \pm\sqrt{81}; -5; \pm\sqrt{25}; -13; -7; -24; -\sqrt{49}; -21; -645; -\frac{33}{11}; -\sqrt{64}; -1; -15$ | Green |
| 4. Numbers that are only classified as rational $1.4; \frac{7}{9}; -1.8; \frac{3}{4}; 0.6; 1.4; -11.2; 5\frac{2}{3}; \frac{9}{2}; 7.\overline{12}; 4.5$ | Orange |
| 5. Numbers that are classified as irrational $-23.684 \dots; \sqrt{10}; \sqrt{20}; 1.1297 \dots; \sqrt{5}; \pi; .1657 \dots; 2\pi; \frac{\pi}{2}; \sqrt{2}$ | Purple |
| 6. The name of a decimal that stops $terminating$ | Yellow |
| 7. The name of the entire system of rational and irrational numbers $real$ | Pink |

Name _____ Date _____





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