

| Division with Remainders

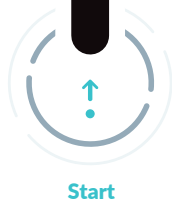
1	$35 \div 2 =$ <u>17</u> remainder = <u>1</u>	9	$47 \div 2 =$ <u>23</u> remainder = <u>1</u>
2	$89 \div 3 =$ <u>29</u> remainder = <u>2</u>	10	$62 \div 3 =$ <u>20</u> remainder = <u>2</u>
3	$63 \div 4 =$ <u>15</u> remainder = <u>3</u>	11	$49 \div 4 =$ <u>12</u> remainder = <u>1</u>
4	$94 \div 5 =$ <u>18</u> remainder = <u>4</u>	12	$73 \div 5 =$ <u>14</u> remainder = <u>3</u>
5	$70 \div 6 =$ <u>11</u> remainder = <u>4</u>	13	$81 \div 6 =$ <u>13</u> remainder = <u>3</u>
6	$86 \div 7 =$ <u>12</u> remainder = <u>2</u>	14	$97 \div 7 =$ <u>13</u> remainder = <u>6</u>
7	$97 \div 8 =$ <u>12</u> remainder = <u>1</u>	15	$90 \div 8 =$ <u>11</u> remainder = <u>2</u>
8	$94 \div 9 =$ <u>10</u> remainder = <u>4</u>	16	$98 \div 9 =$ <u>10</u> remainder = <u>8</u>

Color Codes Key



$$\begin{array}{r} \text{O} \\ \hline 1 \\ \times \\ \text{Y} \\ \hline 2 \\ \hline \text{G} \\ \hline 2 \end{array}$$

$$\begin{array}{r} 1 \\ \hline \text{O} \\ \div \\ 2 \\ \hline 3 \\ \hline \text{R} \end{array}$$



Check 1

Is $\frac{1}{\text{BR}}$ Less than $\frac{2}{\text{Y}}$?

No → Return to Start

Yes → Go to Round 2

$$\begin{array}{r} 1 \\ \hline \text{O} \\ \hline 2 \\ \hline \text{Y} \end{array} \quad \begin{array}{r} 7 \\ \hline \text{P} \\ \hline 3 \\ \hline \text{R} \\ \hline 5 \\ \hline \text{B} \end{array} \quad r \frac{1}{\text{K}}$$

Minus $\frac{2}{\text{G}}$

$$\begin{array}{r} 1 \\ \hline \text{BR} \\ \hline 5 \\ \hline \text{B} \end{array} \quad \begin{array}{r} 14 \\ \hline \text{PI} \end{array}$$

Subtract $\frac{14}{\text{PI}}$

$$\begin{array}{r} 7 \\ \hline \text{P} \\ \div \\ 2 \\ \hline 3 \\ \hline \text{R} \\ \hline 5 \\ \hline \text{B} \\ \hline 1 \\ \hline \text{BR} \end{array} \quad \begin{array}{r} 14 \\ \hline \text{PI} \end{array} \quad \text{Round 2}$$

$$\frac{7}{\text{P}} \times \frac{\text{Y}}{2} = \frac{14}{\text{PI}}$$

Check 2

Is $\frac{1}{\text{K}}$ less than $\frac{2}{\text{Y}}$?

No → Return to Round 2

Yes → K is the remainder, write K on the black line in the quotient. → You are finished!

$$\begin{array}{r} 1 \\ \hline \text{BR} \\ \hline 5 \\ \hline \text{B} \end{array} - \frac{14}{\text{PI}} = \frac{1}{\text{K}}$$