

Division - Partial Quotients Strategy

Date _____ Period _____

Find each quotient. If the division results in a remainder, show the remainder as a fraction in your final answer.

1) $126 \div 2$

2) $438 \div 6$

3) $253 \div 2$

4) $179 \div 2$

5) $2424 \div 37$

6) $3406 \div 53$

7) $6716 \div 8$

8) $1557 \div 2$

9) $57160 \div 69$

10) $12535 \div 13$

11) $18418 \div 7$

12) $93074 \div 5$

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Find each quotient. If the division results in a remainder, show the remainder as a fraction in your final answer.

1) $126 \div 2$

$$\begin{array}{r}
 63 \\
 2 \overline{) 126} \\
 \underline{-120} \quad 60 \\
 6 \\
 \underline{-6} \quad + 3 \\
 0 \quad 63 \\
 63
 \end{array}$$

2) $438 \div 6$

$$\begin{array}{r}
 73 \\
 6 \overline{) 438} \\
 \underline{-420} \quad 70 \\
 18 \\
 \underline{-18} \quad + 3 \\
 0 \quad 73 \\
 73
 \end{array}$$

3) $253 \div 2$

$$\begin{array}{r}
 126 \text{ r } 1 \\
 2 \overline{) 253} \\
 \underline{-200} \quad 100 \\
 53 \\
 \underline{-40} \quad 20 \\
 13 \\
 \underline{-12} \quad + 6 \\
 1 \quad 126 \\
 126 \frac{1}{2}
 \end{array}$$

4) $179 \div 2$

$$\begin{array}{r}
 89 \text{ r } 1 \\
 2 \overline{) 179} \\
 \underline{-160} \quad 80 \\
 19 \\
 \underline{-18} \quad + 9 \\
 1 \quad 89 \\
 89 \frac{1}{2}
 \end{array}$$

5) $2424 \div 37$

$$\begin{array}{r}
 65 \text{ r } 19 \\
 37 \overline{) 2424} \\
 \underline{-2220} \quad 60 \\
 204 \\
 \underline{-185} \quad + 5 \\
 19 \quad 65 \\
 65 \frac{19}{37}
 \end{array}$$

6) $3406 \div 53$

$$\begin{array}{r}
 64 \text{ r } 14 \\
 53 \overline{) 3406} \\
 \underline{-3180} \quad 60 \\
 226 \\
 \underline{-212} \quad + 4 \\
 14 \quad 64 \\
 64 \frac{14}{53}
 \end{array}$$

7) $6716 \div 8$

$$\begin{array}{r} 839 \text{ r } 4 \\ 8 \overline{) 6716} \\ \underline{-6400} \quad 800 \\ 316 \\ \underline{-240} \quad 30 \\ 76 \\ \underline{-72} \quad + \quad 9 \\ 4 \quad 839 \end{array}$$

$$839 \frac{1}{2}$$

8) $1557 \div 2$

$$\begin{array}{r} 778 \text{ r } 1 \\ 2 \overline{) 1557} \\ \underline{-1400} \quad 700 \\ 157 \\ \underline{-140} \quad 70 \\ 17 \\ \underline{-16} \quad + \quad 8 \\ 1 \quad 778 \end{array}$$

$$778 \frac{1}{2}$$

9) $57160 \div 69$

$$\begin{array}{r} 828 \text{ r } 28 \\ 69 \overline{) 57160} \\ \underline{-55200} \quad 800 \\ 1960 \\ \underline{-1380} \quad 20 \\ 580 \\ \underline{-552} \quad + \quad 8 \\ 28 \quad 828 \end{array}$$

$$828 \frac{28}{69}$$

10) $12535 \div 13$

$$\begin{array}{r} 964 \text{ r } 3 \\ 13 \overline{) 12535} \\ \underline{-11700} \quad 900 \\ 835 \\ \underline{-780} \quad 60 \\ 55 \\ \underline{-52} \quad + \quad 4 \\ 3 \quad 964 \end{array}$$

$$964 \frac{3}{13}$$

11) $18418 \div 7$

$$\begin{array}{r} 2631 \text{ r } 1 \\ 7 \overline{) 18418} \\ \underline{-14000} \quad 2000 \\ 4418 \\ \underline{-4200} \quad 600 \\ 218 \\ \underline{-210} \quad 30 \\ 8 \\ \underline{-7} \quad + \quad 1 \\ 1 \quad 2631 \end{array}$$

$$2631 \frac{1}{7}$$

12) $93074 \div 5$

$$\begin{array}{r} 18614 \text{ r } 4 \\ 5 \overline{) 93074} \\ \underline{-50000} \quad 10000 \\ 43074 \\ \underline{-40000} \quad 8000 \\ 3074 \\ \underline{-3000} \quad 600 \\ 74 \\ \underline{-50} \quad 10 \\ 24 \\ \underline{-20} \quad + \quad 4 \\ 4 \quad 18614 \end{array}$$

$$18614 \frac{4}{5}$$