

Long division

Practice with and without remainder

a.

$$\begin{array}{r} 12 \text{ r } 6 \\ 7 \overline{)90} \\ \underline{7} \\ 20 \\ \underline{14} \\ 6 \end{array}$$

$$\begin{array}{r} 9 \text{ r } 1 \\ 6 \overline{)55} \\ \underline{54} \\ 1 \end{array}$$

$$\begin{array}{r} 6 \text{ r } 1 \\ 6 \overline{)37} \\ \underline{36} \\ 1 \end{array}$$

$$\begin{array}{r} 23 \\ 3 \overline{)69} \\ \underline{6} \\ 09 \\ \underline{9} \\ 0 \end{array}$$

$$\begin{array}{r} 7 \text{ r } 2 \\ 9 \overline{)65} \\ \underline{63} \\ 2 \end{array}$$

$$\begin{array}{r} 32 \\ 3 \overline{)96} \\ \underline{9} \\ 06 \\ \underline{6} \\ 0 \end{array}$$

$$\begin{array}{r} 9 \text{ r } 4 \\ 6 \overline{)58} \\ \underline{54} \\ 4 \end{array}$$

$$\begin{array}{r} 4 \text{ r } 2 \\ 8 \overline{)34} \\ \underline{32} \\ 2 \end{array}$$

$$\begin{array}{r} 6 \text{ r } 6 \\ 8 \overline{)54} \\ \underline{48} \\ 6 \end{array}$$

b.

$$\begin{array}{r} 128 \text{ r } 1 \\ 4 \overline{) 513} \\ \underline{4} \\ 11 \\ \underline{8} \\ 33 \\ \underline{32} \\ 1 \end{array}$$

$$\begin{array}{r} 222 \text{ r } 3 \\ 4 \overline{) 891} \\ \underline{8} \\ 09 \\ \underline{8} \\ 11 \\ \underline{8} \\ 3 \end{array}$$

$$\begin{array}{r} 73 \text{ r } 2 \\ 3 \overline{) 221} \\ \underline{21} \\ 11 \\ \underline{9} \\ 2 \end{array}$$

$$\begin{array}{r} 476 \\ 2 \overline{) 952} \\ \underline{8} \\ 15 \\ \underline{14} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

$$\begin{array}{r} 145 \text{ r } 4 \\ 5 \overline{) 729} \\ \underline{5} \\ 22 \\ \underline{20} \\ 29 \\ \underline{25} \\ 4 \end{array}$$

$$\begin{array}{r} 286 \\ 3 \overline{) 858} \\ \underline{6} \\ 25 \\ \underline{24} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

$$\begin{array}{r} 166 \\ 4 \overline{) 664} \\ \underline{4} \\ 26 \\ \underline{24} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

$$\begin{array}{r} 216 \\ 2 \overline{) 432} \\ \underline{4} \\ 03 \\ \underline{2} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

$$\begin{array}{r} 112 \text{ r } 1 \\ 5 \overline{) 561} \\ \underline{5} \\ 06 \\ \underline{5} \\ 11 \\ \underline{10} \\ 1 \end{array}$$

c.

$$\begin{array}{r} 3598 \\ 2 \overline{)7196} \\ \underline{6} \\ 11 \\ \underline{10} \\ 19 \\ \underline{18} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$\begin{array}{r} 3537 \\ 2 \overline{)7074} \\ \underline{6} \\ 10 \\ \underline{10} \\ 07 \\ \underline{6} \\ 14 \\ \underline{14} \\ 0 \end{array}$$

$$\begin{array}{r} 1295 \text{ r } 1 \\ 6 \overline{)7771} \\ \underline{6} \\ 17 \\ \underline{12} \\ 57 \\ \underline{54} \\ 31 \\ \underline{30} \\ 1 \end{array}$$

$$\begin{array}{r} 2879 \\ 3 \overline{)8637} \\ \underline{6} \\ 26 \\ \underline{24} \\ 23 \\ \underline{21} \\ 27 \\ \underline{27} \\ 0 \end{array}$$

$$\begin{array}{r} 1548 \\ 4 \overline{)6192} \\ \underline{4} \\ 21 \\ \underline{20} \\ 19 \\ \underline{16} \\ 32 \\ \underline{32} \\ 0 \end{array}$$

$$\begin{array}{r} 745 \text{ r } 2 \\ 6 \overline{)4472} \\ \underline{42} \\ 27 \\ \underline{24} \\ 32 \\ \underline{30} \\ 2 \end{array}$$

$$\begin{array}{r} 2349 \\ 3 \overline{)7047} \\ \underline{6} \\ 10 \\ \underline{9} \\ 14 \\ \underline{12} \\ 27 \\ \underline{27} \\ 0 \end{array}$$

$$\begin{array}{r} 963 \text{ r } 5 \\ 6 \overline{)5783} \\ \underline{54} \\ 38 \\ \underline{36} \\ 23 \\ \underline{18} \\ 5 \end{array}$$

$$\begin{array}{r} 1870 \text{ r } 1 \\ 3 \overline{)5611} \\ \underline{3} \\ 26 \\ \underline{24} \\ 21 \\ \underline{21} \\ 01 \end{array}$$

d.

$$\begin{array}{r} 6831r1 \\ 6 \overline{)40987} \\ \underline{36} \\ 49 \\ \underline{48} \\ 18 \\ \underline{18} \\ 07 \\ \underline{6} \\ 1 \end{array}$$

$$\begin{array}{r} 14077r1 \\ 6 \overline{)84463} \\ \underline{6} \\ 24 \\ \underline{24} \\ 046 \\ \underline{42} \\ 43 \\ \underline{42} \\ 1 \end{array}$$

$$\begin{array}{r} 4119r2 \\ 6 \overline{)24716} \\ \underline{24} \\ 07 \\ \underline{6} \\ 11 \\ \underline{6} \\ 56 \\ \underline{54} \\ 2 \end{array}$$

$$\begin{array}{r} 30481r2 \\ 3 \overline{)91445} \\ \underline{9} \\ 014 \\ \underline{12} \\ 24 \\ \underline{24} \\ 05 \\ \underline{3} \\ 2 \end{array}$$

$$\begin{array}{r} 10131 \\ 2 \overline{)20262} \\ \underline{2} \\ 002 \\ \underline{2} \\ 06 \\ \underline{6} \\ 02 \\ \underline{2} \\ 0 \end{array}$$

$$\begin{array}{r} 17658r1 \\ 2 \overline{)35317} \\ \underline{2} \\ 15 \\ \underline{14} \\ 13 \\ \underline{12} \\ 11 \\ \underline{10} \\ 17 \\ \underline{16} \\ 1 \end{array}$$

$$\begin{array}{r} 3737r3 \\ 5 \overline{)18688} \\ \underline{15} \\ 36 \\ \underline{35} \\ 18 \\ \underline{15} \\ 38 \\ \underline{35} \\ 3 \end{array}$$

$$\begin{array}{r} 19595 \\ 2 \overline{)39190} \\ \underline{2} \\ 19 \\ \underline{18} \\ 11 \\ \underline{10} \\ 19 \\ \underline{18} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

$$\begin{array}{r} 14108r2 \\ 3 \overline{)42326} \\ \underline{3} \\ 12 \\ \underline{12} \\ 03 \\ \underline{3} \\ 026 \\ \underline{24} \\ 2 \end{array}$$