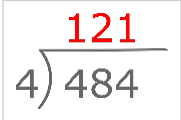
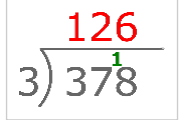
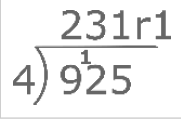
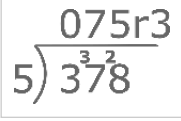


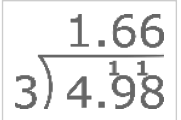
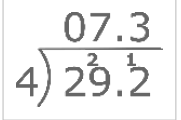
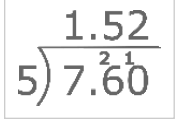
Bus-stop (short division) — typeset vs. the book’s images

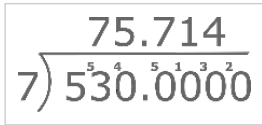
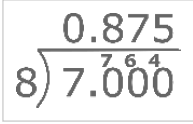
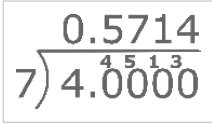
Every bus-stop worked example and “Write as a bus stop” prompt in the book, typeset with the bus-stop / division-frame functions (left) beside the original image (right). Answer in red, carried remainders in green.

Whole numbers · Chapter 25




| Division | Typeset in Typst | Book image |
|-------------------------------|---|---|
| $12 \div 3 = 4$ intro | $\begin{array}{r} 4 \\ 3 \overline{) 12} \end{array}$ | no source image (was a .wmf) |
| $484 \div 4 = 121$ | $\begin{array}{r} 121 \\ 4 \overline{) 484} \end{array}$ |  |
| $378 \div 3 = 126$ | $\begin{array}{r} 126 \\ 3 \overline{) 378} \end{array}$ |  |
| $925 \div 4 = 231 \text{ r}1$ | $\begin{array}{r} 231 \text{ r}1 \\ 4 \overline{) 925} \end{array}$ |  |
| $378 \div 5 = 75 \text{ r}3$ | $\begin{array}{r} 075 \text{ r}3 \\ 5 \overline{) 378} \end{array}$ |  |

Decimals · Chapters 13 & 16

| Division | Typeset in Typst | Book image |
|----------------------|--|---|
| $4.98 \div 3 = 1.66$ | $\begin{array}{r} 1.66 \\ 3 \overline{) 4.98} \end{array}$ |  |
| $29.2 \div 4 = 7.3$ | $\begin{array}{r} 07.3 \\ 4 \overline{) 29.2} \end{array}$ |  |
| $7.6 \div 5 = 1.52$ | $\begin{array}{r} 1.52 \\ 5 \overline{) 7.60} \end{array}$ |  |

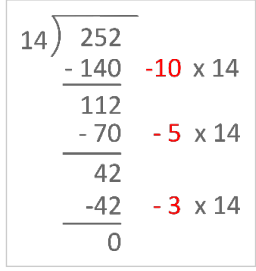
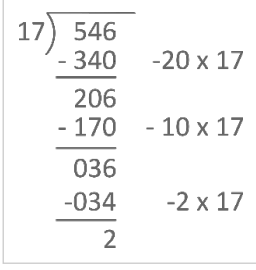
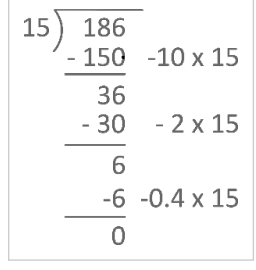
| Division | Typeset in Typst | Book image |
|--|--|---|
| $53 \div 0.7 \rightarrow 530 \div 7$ 75.714 | $\begin{array}{r} 75.714 \\ 7 \overline{)5340.5000} \end{array}$ |  |
| $7/8 \rightarrow 7.000 \div 8$ 0.875 | $\begin{array}{r} 0.875 \\ 8 \overline{)7.000} \end{array}$ |  |
| $4/7 \rightarrow 4.0000 \div 7$ 0.5714 | $\begin{array}{r} 0.5714 \\ 7 \overline{)4.0000} \end{array}$ |  |

Empty “Write as a bus stop:” prompts

| Division | Typeset in Typst | Book image |
|-----------------------|---------------------|---|
| $484 \div 4$ (prompt) | $4 \overline{)484}$ |  |
| $7.0 \div 8$ (prompt) | $8 \overline{)7.0}$ |  |
| $4.0 \div 7$ (prompt) | $7 \overline{)4.0}$ |  |

Chunking (long division) — typeset vs. the book's images

The chunking method: repeatedly subtract “lots” of the divisor, then add the lots (red) to get the answer. Numbers right-align by place value (decimal points line up). Green superscripts are the subtraction's borrow/carry marks.

| Division | Typeset in Typst | Book image |
|--|--|---|
| $252 \div 14 = 18$ $10 + 5 + 3 \cdot \text{ch25 \& ch13}$ | $ \begin{array}{r} 14 \overline{) 252} \\ \underline{-140} \quad -10 \times 14 \\ 112 \\ \underline{-70} \quad -5 \times 14 \\ 42 \\ \underline{-42} \quad -3 \times 14 \\ 0 \end{array} $ |  |
| $546 \div 17 = 32 \text{ r}2$ $20 + 10 + 2 \cdot \text{ch25}$ | $ \begin{array}{r} 17 \overline{) 546} \\ \underline{-340} \quad -20 \times 17 \\ 206 \\ \underline{-170} \quad -10 \times 17 \\ 036 \\ \underline{-034} \quad -2 \times 17 \\ 2 \end{array} $ |  |
| $186 \div 15 = 12.4$ $10 + 2 + 0.4 \cdot \text{ch13}$ | $ \begin{array}{r} 15 \overline{) 186} \\ \underline{-150} \quad -10 \times 15 \\ 36 \\ \underline{-30} \quad -2 \times 15 \\ 6 \\ \underline{-6} \quad -0.4 \times 15 \\ 0 \end{array} $ |  |

$$633.6 \div 18 = 35.2$$

$$20 + 10 + 5 + 0.2 \cdot \text{ch13}$$

$$\begin{array}{r}
 18 \overline{) 633.6} \\
 \underline{- 360} \quad -20 \times 18 \\
 273.6 \\
 \underline{- 180} \quad -10 \times 18 \\
 93.6 \\
 \underline{- 90} \quad -5 \times 18 \\
 3.6 \\
 \underline{- 3.6} \quad -0.2 \times 18 \\
 0
 \end{array}$$

$$\begin{array}{r}
 18 \overline{) 633.6} \\
 \underline{- 360} \quad -20 \times 18 \\
 273.6 \\
 \underline{- 180} \quad -10 \times 18 \\
 93.6 \\
 \underline{- 90} \quad -5 \times 18 \\
 3.6 \\
 \underline{- 3.6} \quad -0.2 \times 18 \\
 0
 \end{array}$$