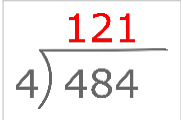
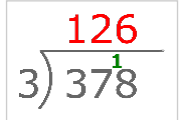
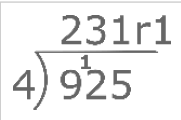
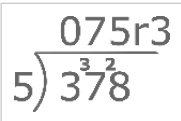


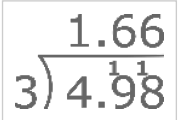
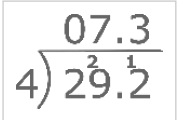
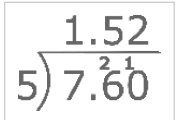
Bus-stop (short division) — typeset vs. the book’s images

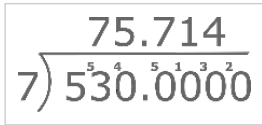
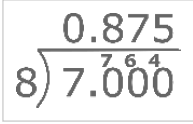
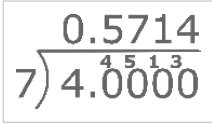
Every bus-stop worked example and “Write as a bus stop” prompt in the book, typeset with the bus-stop / division-frame functions (left) beside the original image (right). Answer in red, carried remainders in green.

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	$\begin{array}{r} 75.714 \\ 7 \overline{)530.0000} \end{array}$	
$7/8 \rightarrow 7.000 \div 8$ 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 · ch13

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

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