

Long division by single digit

$$2 \overline{)5,236}$$

Diagram for long division by 2:

- Quotient: 2,618
- Dividend: 5,236
- Divisor: 2
- Quotient boxes: 2 (top), 6 (middle), 1 (middle), 8 (bottom)
- Dividend boxes: 5 (top), 2 (middle), 3 (middle), 6 (bottom)
- Subtraction lines: 1 (top), 1 (middle), 1 (bottom)
- Remainder: 0

$$5 \overline{)8,455}$$

Diagram for long division by 5:

- Quotient: 1,691
- Dividend: 8,455
- Divisor: 5
- Quotient boxes: 1 (top), 6 (middle), 9 (middle), 1 (bottom)
- Dividend boxes: 8 (top), 4 (middle), 5 (middle), 5 (bottom)
- Subtraction lines: 4 (top), 4 (middle), 5 (bottom)
- Remainder: 0

$$7 \overline{)1,204}$$

Diagram for long division by 7:

- Quotient: 172
- Dividend: 1,204
- Divisor: 7
- Quotient boxes: 1 (top), 7 (middle), 2 (bottom)
- Dividend boxes: 1 (top), 2 (middle), 0 (middle), 4 (bottom)
- Subtraction lines: 2 (top), 2 (middle), 4 (bottom)
- Remainder: 0

$$8 \overline{)6,972}$$

Diagram for long division by 8:

- Quotient: 871
- Dividend: 6,972
- Divisor: 8
- Quotient boxes: 8 (top), 7 (middle), 1 (bottom)
- Dividend boxes: 6 (top), 9 (middle), 7 (middle), 2 (bottom)
- Subtraction lines: 9 (top), 9 (middle), 7 (bottom)
- Remainder: 0