Puzzle 1
Fill in digits to make each equation true.
You may only use each digit (0–9) once.

$19 \times \boxed{3}\,\square\,\square = 6{,}802$
$\square\,\boxed{1} \times \boxed{1}\,\square\,\boxed{0} = 11{,}830$
$\boxed{4}\,\square \times \boxed{1}\,\boxed{5}\,\square = 6{,}240$
$\square\,\boxed{0}\,\boxed{1} \times \square\,\boxed{1} = 8{,}421$
$\square\,\boxed{2}\,\boxed{7} \times \boxed{1}\,\boxed{2}\,\square = 16{,}129$

CC BY NC 2024 Illustrative Mathematics®

Puzzle 2
Fill in digits to make each equation true.
You may only use each digit (0–9) once.

$15 \times \boxed{2}\,\square\,\square = 3{,}510$
$\square\,\boxed{1} \times \boxed{1}\,\square\,\boxed{0} = 10{,}650$
$\boxed{7}\,\square \times \boxed{1}\,\boxed{1}\,\square = 8{,}330$
$\square\,\boxed{3}\,\boxed{5} \times \square\,\boxed{1} = 19{,}035$
$\square\,\boxed{5}\,\boxed{2} \times \boxed{2}\,\boxed{4}\,\square = 37{,}392$

CC BY NC 2024 Illustrative Mathematics®

Puzzle 3
Fill in digits to make each equation true.
You may only use each digit (0–9) once.

$52 \times \boxed{3}\,\square\,\square = 17{,}212$
$\square\,\boxed{1} \times \boxed{1}\,\square\,\boxed{0} = 3{,}990$
$\boxed{4}\,\square \times \boxed{5}\,\boxed{2}\,\square = 23{,}144$
$\square\,\boxed{2}\,\boxed{5} \times \square\,\boxed{1} = 37{,}275$
$\square\,\boxed{1}\,\boxed{1} \times \boxed{3}\,\boxed{2}\,\square = 259{,}520$

CC BY NC 2024 Illustrative Mathematics®

Puzzle 4
Fill in digits to make each equation true.
You may only use each digit (0–9) once.

$12 \times \boxed{3}\,\square\,\square = 4{,}548$
$\square\,\boxed{1} \times \boxed{1}\,\square\,\boxed{0} = 7{,}380$
$\boxed{2}\,\square \times \boxed{4}\,\boxed{9}\,\square = 12{,}250$
$\square\,\boxed{7}\,\boxed{4} \times \square\,\boxed{5} = 9{,}590$
$\square\,\boxed{5}\,\boxed{1} \times \boxed{2}\,\boxed{6}\,\square = 169{,}911$

CC BY NC 2024 Illustrative Mathematics®