# Autumn Test 1


## Teacher guidance

**Skills and knowledge needed for this test:**

- Addition and subtraction of two numbers up to four digits
- Addition and subtraction of fractions with the same denominator, within 1
- Multiplication and division to 12 × 12 including derivatives of multiples of 100
- Multiplication of three numbers
- Multiplication by 0; multiplication and division by 1
- Formal written method for short multiplication (to HTO) and short division (to TO)
- Missing number statements with all four operations

## Review: Division of two-digit numbers by 10 or 100

**A teaching suggestion**

Step 1 Display 84 ÷ 10 =

Step 2 Explain that another way to write 84 ÷ 10 is $\frac{84}{10}$, where the line represents the division sign and the number says 'eighty-four tenths'.

Step 3 Explain that another way to write eighty-four tenths is to use a decimal point. Display HTO.t and explain that t stands for tenths, and that everything after the decimal point is part of a whole number. $\frac{84}{10} = 8.4$

Step 4 Repeat with similar calculations (e.g. 93 ÷ 10 = $\frac{93}{10}$ = 9.3).

**An alternative suggestion**

Step 1 Display 71 ÷ 100 =

Step 2 Explain that another way to write 71 ÷ 100 = is $\frac{71}{100}$, where the line represents the division sign and the number says 'seventy-one hundredths'.

Step 3 Explain that another way to write seventy-one hundredths is to use a decimal point. Display HTO.t h and explain that t stands for tenths and h for hundredths, and that everything after the decimal point is part of a whole number. $\frac{71}{100} = 0.71$

Step 4 Repeat with similar calculations (e.g. 3 ÷ 100 = $\frac{3}{100}$ = 0.03).

| Question number | Question | Answer | Marks | Related test |
|---|---|---|---|---|
| 1 | 4 × 11 = □ | 44 | 1 | Y4 Autumn Test 5 |
| 2 | □ = 7 × 1 | 7 | 1 | Y4 Autumn Test 6 |
| 3 | 36 ÷ 12 = □ | 3 | 1 | Y4 Summer Test 2 |
| 4 | 0 × 20 = □ | 0 | 1 | Y4 Autumn Test 4 |
| 5 | $\frac{1}{3}$ of 33 = □ | 11 | 1 | Y2 Summer Test 5 |
| 6 | 84 = □ × 7 | 12 | 1 | Y4 Autumn Test 3, Y4 Summer Test 2 |
| 7 | 47 ÷ 1 = □ | 47 | 1 | Y4 Autumn Test 6 |
| 8 | 493 + 382 = □ | 875 | 1 | Y4 Spring Test 1 |
| 9 | 60 × 9 = □ | 540 | 1 | Y4 Spring Tests 2 and 4, Y3 Spring Test 2 |
| 10 | □ = 327 − 261 | 66 | 1 | Y4 Spring Test 3 |
| 11 | 21 + □ = 90 | 69 | 1 | Y3 Autumn Test 1, Y3 Autumn Test 3 |
| 12 | 300 × 8 = □ | 2400 | 1 | Y4 Summer Test 5, Y3 Summer Test 3 |
| 13 | 86 − □ = 38 | 48 | 1 | Y3 Autumn Test 1, Y3 Autumn Test 3 |
| 14 | 56 ÷ 4 = □ | 14 | 1 | Y4 Autumn Test 2 |
| 15 | 6384 + 2576 = □ | 8960 | 1 | Y4 Spring Test 1 |
| 16 | 2 ÷ 10 = □ | 0.2 | 1 | Y5 Autumn Test 1 |
| 17 | 35 × 7 = □ | 245 | 1 | Y4 Autumn Test 1 |
| 18 | 7120 − 4332 = □ | 2788 | 1 | Y4 Spring Test 3 |
| 19 | 524 × 3 = □ | 1572 | 1 | Y4 Summer Test 1 |
| 20 | 37 ÷ 100 = □ | 0.37 | 1 | Y5 Autumn Test 1 |
| 21 | $\frac{3}{4}$ of 28 = □ | 21 | 1 | Y3 Autumn Test 4 |
| 22 | □ = 4 × 27 × 5 | 540 | 1 | Y4 Summer Test 3 |
| 23 | □ ÷ 3 = 28 | 84 | 1 | Y4 Autumn Test 1, Y4 Autumn Test 3 |
| 24 | 32 ÷ 10 = □ | 3.2 | 1 | Y5 Autumn Test 1 |
| 25 | □ × 6 = 96 | 16 | 1 | Y4 Autumn Test 2, Y4 Autumn Test 3 |
| | **Total marks** | | **25** | |