

Spring Test 5

Teacher guidance



Skills and knowledge needed for this test:

- Addition and subtraction of two numbers with different numbers of digits
- Addition and subtraction of fractions with the same denominator
- Multiplication and division to 12×12 including derivatives of multiples of 100
- Multiplication of three numbers
- Multiplication by 0; multiplication and division by 1; square and cube numbers
- Short multiplication of up to four digits by a single-digit number
- Short division (to TO), including with remainders
- Multiplication and division of whole numbers or decimals by 10, 100 or 1000
- Missing number statements with all four operations

New: Division of a four-digit number by a single-digit number

A teaching suggestion

Step 1 The children are already familiar with $TO \div O$ (see Y4 Autumn Test 2). Display $6745 \div 5$ and then set out the sum for formal division.

$$5 \overline{) 6745}$$

Step 2 First ask: 'How many 5 (thousands) in 6 (thousands)?' Agree that 6 (thousands) have one group of 5 (thousand) and 1 (thousand) left over. Write this in, demonstrating where to write the digit in the thousands column and the remainder in the hundreds column.

Step 3 Now ask: 'How many 5 (hundreds) in 17 (hundreds)?' Agree that there are three groups of 5 (hundred) and 2 (hundred) left over. Continue until the sum is completed.

$$5 \overline{) \begin{array}{cccc} 1 & 3 & 4 & 9 \\ 6 & 17 & 24 & 45 \end{array}}$$

Step 4 Complete lots of examples with the children, including some with remainders. Encourage them to work with a partner before trying the work independently.

| Question number | Question | Answer | Marks | Related test |
|--------------------|--|----------------------------|-----------|------------------------------------|
| 1 | $12 \times 0 = \square$ | 0 | 1 | Y4 Autumn Test 4 |
| 2 | $\square = 63 \div 9$ | 7 | 1 | Y4 Spring Test 2 |
| 3 | $3^2 = \square$ | 9 | 1 | Y5 Autumn Test 4 |
| 4 | $4000 \div 10 = \square$ | 400 | 1 | Y5 Autumn Test 5 |
| 5 | $621 - 350 = \square$ | 271 | 1 | Y4 Spring Test 3 |
| 6 | $\square = 15 \div 1$ | 15 | 1 | Y4 Autumn Test 6 |
| 7 | $56 = \square \times 7$ | 8 | 1 | Y4 Autumn Test 3, Y4 Spring Test 6 |
| 8 | $\frac{15}{10} - \frac{1}{10} = \square$ | $1\frac{4}{10}$ (or equiv) | 1 | Y5 Autumn Test 2 |
| 9 | $76.4 \div 100 = \square$ | 0.764 | 1 | Y5 Spring Test 2 |
| 10 | $4^3 = \square$ | 64 | 1 | Y5 Spring Test 1 |
| 11 | $635 - 82 = \square$ | 553 | 1 | Y5 Spring Test 4 |
| 12 | $\square \div 8 = 125$ | 1000 | 1 | Y4 Autumn Test 3, Y4 Summer Test 1 |
| 13 | $1453 \times 4 = \square$ | 5812 | 1 | Y5 Spring Test 3 |
| 14 | $396 = \square - 185$ | 581 | 1 | Y4 Spring Test 1, Y3 Autumn Test 1 |
| 15 | $64 \div 3 = \square$ | 21 r1 | 1 | Y5 Autumn Test 6 |
| 16 | $\square = 12 \times 500$ | 6000 | 1 | Y4 Summer Test 2, Y4 Summer Test 5 |
| 17 | $7852 \div 2 = \square$ | 3926 | 1 | Y5 Spring Test 5 |
| 18 | $8 \times 5 \times 26 = \square$ | 1040 | 1 | Y4 Summer Test 3 |
| 19 | $7002 - 2304 = \square$ | 4698 | 1 | Y5 Autumn Test 3 |
| 20 | $90 \div 7 = \square$ | 12 r6 | 1 | Y5 Autumn Test 6 |
| 21 | $7328 - 79 = \square$ | 7249 | 1 | Y5 Spring Test 4 |
| 22 | $342 + \square = 911$ | 569 | 1 | Y4 Spring Test 3, Y3 Autumn Test 1 |
| 23 | $\square = 63.4 \times 100$ | 6340 | 1 | Y5 Spring Test 2 |
| 24 | $8845 \div 5 = \square$ | 1769 | 1 | Y5 Spring Test 5 |
| 25 | $4348 \times 9 = \square$ | 39 132 | 1 | Y5 Spring Test 3 |
| 26 | $\square^2 = 25$ | 5 | 1 | Y5 Autumn Test 4 |
| 27 | $63 + 2986 + 8 = \square$ | 3057 | 1 | Y5 Spring Test 4 |
| 28 | $4632 \div 6 = \square$ | 772 | 1 | Y5 Spring Test 5 |
| Total marks | | | 28 | |