

Autumn Test 2

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
- 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)
- Division of two-digit numbers by 10 or 100
- Missing number statements with all four operations

Review: Addition and subtraction of fractions with the same denominator

A teaching suggestion

Step 1 Cut a circle into sixths and count the sixths. Hold up different amounts and ask the children to call out what you are holding (e.g. four sixths).

Step 2 Hold one sixth in one hand and four sixths in the other hand. Ask the children what you are holding in each hand and then what you are holding altogether. Agree that you are always holding sixths, so:

$$\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$$

Step 3 Next, hold two sixths in one hand and five sixths in the other hand. Ask the children what you are holding in each hand and then what you are holding altogether. Agree that you are always holding sixths, so:

$$\frac{2}{6} + \frac{5}{6} = \frac{7}{6}$$

Step 4 Show how the seven sixths can be used to make one circle with one sixth left, and show the children how to write this as a mixed number: $1\frac{1}{6}$

Step 5 Repeat lots of examples together, then with a partner, and then working independently.

Question number	Question	Answer	Marks	Related test
1	$1 \times 15 = \square$	15	1	Y4 Autumn Test 6
2	$\square = 800 \times 2$	1600	1	Y4 Summer Test 5
3	$\square = 120 \div 10$	12	1	Y4 Summer Test 2
4	$29 \div 1 = \square$	29	1	Y4 Autumn Test 6
5	$54 = \square + 49$	5	1	Y3 Autumn Test 1, Y3 Autumn Test 3
6	$1 \times 0 = \square$	0	1	Y4 Autumn Test 4
7	$\square - 26 = 53$	79	1	Y3 Autumn Test 1, Y3 Autumn Test 2
8	$4 = \square \div 9$	36	1	Y4 Autumn Test 3, Y4 Spring Test 2
9	$\frac{2}{6} + \frac{4}{6} = \square$	1 (or equiv) $\frac{6}{6}$	1	Y5 Autumn Test 2
10	$37 \times 7 = \square$	259	1	Y4 Autumn Test 1
11	$731 - 418 = \square$	313	1	Y4 Spring Test 3
12	$\frac{16}{6} - \frac{11}{6} = \square$	$\frac{5}{6}$ (or equiv)	1	Y5 Autumn Test 2
13	$87 \div 3 = \square$	29	1	Y4 Autumn Test 2
14	$85 = \square \times 5$	17	1	Y4 Autumn Test 2, Y4 Autumn Test 3
15	$1799 + 2831 = \square$	4630	1	Y4 Spring Test 1
16	$8 \div 10 = \square$	0.8	1	Y5 Autumn Test 1
17	$\square = \frac{2}{4}$ of 12	6	1	Y3 Autumn Test 4
18	$426 \times 6 = \square$	2556	1	Y4 Summer Test 1
19	$6425 - 1537 = \square$	4888	1	Y4 Spring Test 3
20	$63 \div 100 = \square$	0.63	1	Y5 Autumn Test 1
21	$\square = 2 \times 63 \times 5$	630	1	Y4 Summer Test 3
22	$614 - \square = 293$	321	1	Y4 Spring Test 3, Y3 Autumn Test 1
23	$\frac{4}{7} + \frac{9}{7} = \square$	$1\frac{6}{7}$ (or equiv)	1	Y5 Autumn Test 2
24	$\square + 423 = 802$	379	1	Y4 Spring Test 3, Y3 Autumn Test 1
25	$61 \div 10 = \square$	6.1	1	Y5 Autumn Test 1
Total marks			25	