Summer Test 4

25 minutes

Teacher guidance

Skills and knowledge needed for this test:

- Addition and subtraction of two four-digit numbers crossing column boundaries
- Addition and subtraction of fractions with the same denominator
- Missing number statements with all four operations
- Multiplication and division by 1 to 12 including deriving multiples of 10
- Multiplication by 0
- Multiplication of three numbers (to TO)
- Formal written method for short multiplication (to HTO) and short division (to TO)
- Find a half, a third, a quarter, two quarters or three quarters of an amount

New: Division of two digits by 10 or 100

A teaching suggestion

Step 1 Display 6 ÷ 10 = and the chart below.

Hundreds	Tens	Ones	tenths	hundredths

Step 2 Discuss where the 6 is placed (i.e. in the ones column).

Step 3 Explain that dividing by ten moves the digits one space to the right. Demonstrate by moving the 6 one space to the right and showing that the answer is 0.6.

Step 4 Demonstrate with other calculations, and then allow the children to work with a partner before working independently.

Step 5 When the children are ready, extend to dividing by 100 (moving the digits two spaces to the right) and multiplying by 10 and 100 (moving the digits to the left by one and two spaces respectively).

An alternative suggestion

Step 1 Display 6 ÷ 10 = and explain that another way to write 6 ÷ 10 is $\frac{6}{10}$, where the line represents the division sign and the number says 'six tenths'.

Step 2 Explain that another way to write six tenths is to use a decimal point. Display HTO.t and explain that the t stands for tenths, and that everything after the decimal point is part of a whole number: $\frac{6}{10} = 0.6$

Step 3 Repeat with similar calculations (e.g. $72 \div 10 = \frac{72}{10} = 7\frac{2}{10} = 7.2$).

Question number	Question	Answer	Marks	Related test
1	$25 \times 1 = \square$	25	1	Y4 Autumn Test 6
2	$\frac{4}{5} - \frac{3}{5} = \square$	$\frac{1}{5}$	1	Y3 Spring Test 6
3	$74 + 55 = \square$	129	1	Y3 Summer Test 2
4	$\square = \frac{1}{4}$ of 32	8	1	Y2 Summer Test 1
5	$21 \div 7 = \square$	3	1	Y4 Spring Test 6
6	$80 \times 0 = \square$	0	1	Y4 Autumn Test 4
7	$7 \times 12 = \square$	84	1	Y4 Spring Test 6, Y4 Summer Test 2
8	$\square \div 9 = 6$	54	1	Y4 Autumn Test 3, Y4 Spring Test 4
9	$5 \times 7 \times 4 = \square$	140	1	Y3 Summer Test 5
10	$\square = \frac{1}{3}$ of 36	12	1	Y2 Summer Test 5
11	$672 - 474 = \square$	198	1	Y3 Summer Test 1
12	$480 \div 6 = \square$	80	1	Y4 Spring Test 4, Y3 Spring Test 2
13	$45 + \square = 91$	46	1	Y3 Autumn Test 1, Y3 Autumn Test 3
14	$352 \times 2 = \square$	704	1	Y4 Summer Test 1, Y2 Spring Test 1
15	$12 \times \square = 720$	60	1	Y4 Autumn Test 3, Y4 Summer Test 2, Y3 Spring Test 2
16	$23 \times 5 \times 4 = \square$	460	1	Y4 Summer Test 3
17	$\frac{4}{10} + \frac{9}{10} = \square$	$\frac{13}{10}$ or $1\frac{3}{10}$	1	Y4 Spring Test 5
18	$57 \div 3 = \square$	19	1	Y4 Autumn Test 2, Y3 Spring Test 1
19	$\square = 6 \div 10$	0.6	1	Y4 Summer Test 4
20	$\square \div 8 = 27$	216	1	Y4 Autumn Test 1, Y4 Autumn Test 3
21	$73 \div 100 = \square$	0.73	1	Y4 Summer Test 4
22	$527 \times 6 = \square$	3162	1	Y4 Summer Test 1
23	$5003 - 3586 = \square$	1417	1	Y4 Spring Test 3
24	$98 \div \square = 7$	14	1	Y4 Autumn Test 2, Y4 Autumn Test 3
25	$56 = \square \div 10$	560	1	Y4 Autumn Test 3, Y4 Summer Test 4
		Total marks	**25**	