Spring Test 5

22 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, within 1
- Missing number statements with all four operations
- Multiplication and division by 1, 2, 3, 4, 5, 6, 8, 9, 10 and 11 including deriving multiples of 10
- Multiplication by 0
- Multiplication of three numbers
- Formal written method for short multiplication and short division
- Find a half, a third, a quarter, two quarters or three quarters of an amount

New: Addition and subtraction of fractions with the same denominator

A teaching suggestion

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

Step 2 Hold one fifth in one hand and two fifths 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 fifths, so:

$$\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

Step 3 Next, hold three fifths in one hand and four fifths 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 fifths, so:

$$\frac{3}{5} + \frac{4}{5} = \frac{7}{5}$$

Step 4 Show how the seven fifths can be used to make one circle and you still have two fifths left. Show the children how to write this as a mixed number:

$$1\frac{2}{5}$$

Step 5 Repeat lots of examples together. Then ask the children to work with a partner and then independently.

Question number	Question	Answer	Marks	Related test
1	$3 \times 3 = \square$	9	1	Y3 Spring Test 1
2	$\square = 12 \times 1$	12	1	Y4 Autumn Test 6
3	$45 - \square = 25$	20	1	Y3 Autumn Test 1, Y2 Spring Test 4
4	$3 \times 0 = \square$	0	1	Y4 Autumn Test 4
5	$75 + 85 = \square$	160	1	Y3 Summer Test 2
6	$\square = 9 \times 11$	99	1	Y4 Autumn Test 5, Y4 Spring Test 2
7	$\frac{5}{8} - \frac{2}{8} = \square$	$\frac{3}{8}$	1	Y3 Spring Test 6
8	$42 = \square \times 6$	7	1	Y4 Autumn Test 3, Y4 Spring Test 4
9	$456 \div 1 = \square$	456	1	Y4 Autumn Test 6
10	$356 - 178 = \square$	178	1	Y3 Summer Test 1
11	$\square \times 6 = 84$	14	1	Y4 Autumn Test 2, Y4 Autumn Test 3
12	$\square = \frac{3}{4}$ of 32	24	1	Y3 Autumn Test 4
13	$405 - 237 = \square$	168	1	Y3 Summer Test 1
14	$76 \div 2 = \square$	38	1	Y4 Autumn Test 2, Y2 Spring Test 1
15	$6396 + 2547 = \square$	8943	1	Y4 Spring Test 1
16	$360 \div 6 = \square$	60	1	Y4 Spring Test 4, Y3 Spring Test 2
17	$45 \times 3 = \square$	135	1	Y4 Autumn Test 1, Y3 Spring Test 1
18	$\frac{1}{6} + \frac{5}{6} = \square$	$\frac{6}{6}$ or 1	1	Y3 Spring Test 6
19	$5830 - 3851 = \square$	1979	1	Y4 Spring Test 3
20	$\square - 1843 = 5421$	7264	1	Y4 Spring Test 1, Y3 Autumn Test 1
21	$400 - 235 = \square$	165	1	Y3 Summer Test 1
22	$\frac{5}{8} + \frac{6}{8} = \square$	$\frac{11}{8}$ or $1\frac{3}{8}$	1	Y4 Spring Test 5
		Total marks	**22**	