Spring Test 6

Teacher guidance

18 minutes

Skills and knowledge needed for this test:

- Addition of three single-digit numbers
- Addition and subtraction of multiples of 10
- Addition and subtraction of a two-digit or a three-digit number and a single-digit number with and without crossing a ten
- Addition and subtraction of a two-digit or a three-digit number and a multiple of 10 or 100
- Addition and subtraction of two two-digit numbers with and without crossing a ten
- Missing number statements with all four operations
- Multiplication and division by 10, 5, 2, 3 and 4
- Derivatives of multiplication and division by 10, 5, 2, 3 and 4
- Formal written method for short multiplication
- Finding a half, a third, a quarter, two quarters or three quarters of an amount

New: Addition and subtraction of fractions with the same denominator, within 1

A teaching suggestion

Step 1 Use sets of two identical objects for addition and subtraction (e.g. 5 hands + 2 hands = 7 hands).

Step 2 Emphasise that the objects are the same before and after the operation, and that they are going to do addition and subtraction where fractions are the 'objects'.

Step 3 Cut a large card circle into fifths and count the fifths. Hold one fifth in one hand and two fifths in the other hand and ask the children what you are holding in each hand and then what you are holding altogether. Agree that you are always holding fifths. Show the children how to write this as $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

Step 4 Repeat lots of examples together, then with a partner and then working alone.

Question number	Question	Answer	Marks	Related test
1	$8 - 7 = \square$	1	1	Y1 Autumn Test 5
2	$6 + \square + 4 = 16$	6	1	Y3 Autumn Test 1, Y2 Spring Test 6
3	$\square \times 3 = 33$	11	1	Y3 Autumn Test 5, Y3 Spring Test 1
4	$422 + 6 = \square$	428	1	Y3 Autumn Test 6
5	$\square = \frac{1}{2}$ of 12	6	1	Y2 Spring Test 2
6	$47 - \square = 24$	23	1	Y3 Autumn Test 1, Y3 Autumn Test 3
7	$5 \times 8 = \square$	40	1	Y2 Spring Test 5
8	$628 + 40 = \square$	668	1	Y3 Spring Test 3
9	$\square \times 5 = 150$	30	1	Y3 Autumn Test 5, Y3 Spring Test 2, Y2 Spring Test 5
10	$40 + \square = 90$	50	1	Y3 Autumn Test 1, Y3 Autumn Test 3
11	$\frac{1}{7} + \frac{2}{7} = \square$	$\frac{3}{7}$	1	Y3 Spring Test 6
12	$\frac{3}{4}$ of 24 = $\square$	18	1	Y3 Autumn Test 4
13	$39 + 45 = \square$	84	1	Y3 Autumn Test 2
14	$\square = 280 \div 4$	70	1	Y3 Spring Test 2, Y3 Spring Test 4
15	$\frac{7}{8} - \frac{2}{8} = \square$	$\frac{5}{8}$	1	Y3 Spring Test 6
16	$67 - 28 = \square$	39	1	Y3 Autumn Test 3
17	$\square - 52 = 38$	90	1	Y3 Autumn Test 1, Y3 Autumn Test 2
18	$18 \times 4 = \square$	72	1	Y3 Spring Test 4
	Total marks		**18**	