Autumn Test 5

Teacher guidance

Skills and knowledge needed for this test:

- Addition and subtraction of two numbers with more than four digits
- Addition and subtraction of fractions with multiples of the same denominator
- · Complements of 1
- · Square and cube numbers
- Multiplication and division of whole numbers and decimals by 10, 100 and 1000



- Formal written method for short multiplication and short division with remainders
- Formal written method for long multiplication of up to three digits by a two-digit number
- Finding fractions of amounts
- Missing number calculations, including balanced calculations, with all four operations

Review: Addition and subtraction of whole numbers and mixed decimals

A teaching suggestion



Review the addition of two whole numbers with a different number of digits. Establish that the ones need to be added together, then the tens and so on, so the numbers need to be in the correct columns. For example:



Display 45.75 + 8.9 and discuss how this needs to be set out. Establish that the tenths and ones need to be added together, so the numbers need to be in the correct columns, and write this up.



Note how the decimal points are lined up. To avoid confusion, fill in the gaps with zeros.



Work through the calculation, emphasising that you start at the right and work to the left. Remind the children that, when numbers are greater than one digit, the number is written with the first digit in the next column so it still reads as the same number. Display the finished calculation.



Work through lots of examples with the children, and then allow them to work with a partner before trying the calculations independently.

Ougation				
Question number	Question	Answer	Marks	Related test
1	□ = 20 × 0	0	1	Y4 Autumn Test 4
2	2 ² =	4	1	Y5 Autumn Test 4
3	+ 0.8 = 1	0.2	1	Y5 Summer Test 4
4	400 ÷ 10 =	40	1	Y5 Autumn Test 5
5	36 = ²	6	1	Y5 Autumn Test 4
6	5 = ÷ 8	40	1	Y4 Autumn Test 3, Y3 Summer Test 3
7	60 × 🔲 = 6000	100	1	Y5 Autumn Test 5, Y4 Autumn Test 3
8	89.32 × 10 =	893.2	1	Y5 Spring Test 2
9	$ = \frac{2}{3} \text{ of } 18 $	12	1	Y6 Autumn Test 3
10	2 × = 14 – 2	6	1	Y6 Autumn Test 4
11	6356 ÷ 8 =	794 r4	1	Y5 Autumn Test 6
12	27 =3	3	1	Y5 Spring Test 1
13	$\frac{5}{8} + \frac{1}{2} = \square$	$1\frac{1}{8}$ (or equiv)	1	Y6 Autumn Test 2
14	☐ = 700 − 524	176	1	Y5 Autumn Test 3
15	$\frac{5}{7} + \frac{9}{14} = \square$	$1\frac{5}{14}$ (or equiv)	1	Y6 Autumn Test 2
16	$\frac{7}{10}$ of 40 =	28	1	Y6 Autumn Test 3
17	\Box - 4 = 5 × 5	29	1	Y6 Autumn Test 4
18	73.4 ÷ 100 =	0.734	1	Y5 Spring Test 2
19	2493 × 6 =	14 958	1	Y5 Spring Test 3
20	7172 ÷ 4 =	1793	1	Y5 Spring Test 5
21	3.42 + 46.9 =	50.32	1	Y6 Autumn Test 5
22	841 × 16 =	13 456	2*	Y6 Autumn Test 1
23	<u>= 23.28 - 7.9</u>	15.38	1	Y6 Autumn Test 5
24	7062 - = 5183	1879	1	Y5 Autumn Test 3, Y3 Autumn Test 1
25	4131 = 🗌 × 3	1377	1	Y5 Spring Test 5, Y4 Autumn Test 3
26	5358 ÷ = 2	2679	1	Y5 Spring Test 5, Y4 Autumn Test 3
27	752 684 + 379 + 58 362 =	811 425	1	Y5 Spring Test 4
28	683 × 76 =	51 908	2*	Y6 Autumn Test 1
Total marks				
* award 1 mark if there is one error in the working				

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