

Summer Test 6



Teacher guidance

Skills and knowledge needed for this test:

- Addition and subtraction of two numbers with more than four digits
- Addition and subtraction of whole numbers and mixed decimals
- Addition and subtraction of fractions with different denominators and mixed numbers
- Complements of 1
- Square and cube numbers
- Multiplication and division of whole numbers and decimals by 10, 100 and 1000
- Multiplication of a one-digit number with up to two decimal places by a whole number
- Formal written method for short multiplication and short division with decimal remainders
- Formal written method for long multiplication and long division by a two-digit number
- Multiplication of pairs of simple fractions and division of fractions by a whole number
- Finding fractions and percentages of amounts
- Missing number calculations, including balanced calculations, with all four operations
- Calculations with brackets and the order of operations (BIDMAS)

There are no new skills. This is the end of year test.

Question number	Question	Answer	Marks	Related test
1	$9 \times 0 = \square$	0	1	Y4 Autumn Test 4
2	$\square + 0.9 = 1$	0.1	1	Y5 Summer Test 4, Y3 Autumn Test 1
3	$81 = \square^2$	9	1	Y5 Autumn Test 4
4	$72 \div \square = 9$	8	1	Y4 Autumn Test 3, Y4 Spring Test 2
5	$30 - 20 = \square \div 3$	30	1	Y6 Autumn Test 4
6	$\frac{7}{15} - \frac{2}{5} = \square$	$\frac{1}{15}$ (or equiv)	1	Y5 Spring Test 6
7	$\frac{1}{3} \times \frac{1}{4} = \square$	$\frac{1}{12}$ (or equiv)	1	Y6 Spring Test 2
8	$\square = 5^3$	125	1	Y5 Spring Test 1
9	$(9 - 4) \times (12 - 7) = \square$	25	1	Y6 Spring Test 1
10	$\frac{25}{9} - \frac{4}{3} = \square$	$1\frac{4}{9}$ (or equiv)	1	Y6 Autumn Test 2
11	$3861 = \square \times 9$	429	1	Y5 Spring Test 5, Y4 Autumn Test 3
12	$\frac{5}{9}$ of 63 = \square	35	1	Y6 Autumn Test 3
13	$7.32878 \times 1000 = \square$	7328.78	1	Y6 Spring Test 3
14	$6.1 - 8.563 + 175.4 = \square$	172.937	1	Y6 Autumn Test 5, Y6 Summer Test 1
15	$\square = 0.07 \times 3$	0.21	1	Y6 Summer Test 4
16	$4000 - 2393 = \square$	1607	1	Y5 Autumn Test 3
17	$2583 \div 8 = \square$	322.875	1	Y6 Spring Test 6
18	$(2^3 + 4) - 5 \times 2 = \square$	2	1	Y6 Summer Test 1
19	$49\,432 - 8966 + 472 = \square$	40\,938	1	Y6 Summer Test 1, Y5 Spring Test 4
20	$\frac{1}{6} \div 2 = \square$	$\frac{1}{12}$ (or equiv)	1	Y6 Summer Test 5
21	$619 = \square \div 8$	4952	1	Y5 Spring Test 3, Y4 Autumn Test 3
22	$8000 - \square = 4273$	3727	1	Y5 Autumn Test 3, Y3 Autumn Test 1
23	$\frac{1}{5} + \frac{1}{6} = \square$	$\frac{11}{30}$ (or equiv)	1	Y6 Summer Test 2
24	$7686 \div 18 = \square$	427	2*	Y6 Autumn Test 6
25	$\square = 0.6 \times 6$	3.6	1	Y6 Summer Test 4
26	35% of 180 = \square	63	1	Y6 Spring Test 5
27	$8\frac{4}{5} - 2\frac{1}{10} = \square$	$6\frac{7}{10}$ (or equiv)	1	Y6 Summer Test 3
28	$8968 \times 79 = \square$	708\,472	2*	Y6 Spring Test 4
Total marks			30	

* award 1 mark if there is one error in the working