

Summer Test 4



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
- 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
- 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)

New: Multiplication of a one-digit number with up to two decimal places by a whole number

A teaching suggestion

- Step 1** Review times tables to 10×10 and explain that these are very important in this activity.
- Step 2** Ask the children to work out 7×8 (56).
- Step 3** Ask the children what are 7 dogs \times 8 (56 dogs). Repeat with other objects.
- Step 4** Now ask the children what are 7 tenths \times 8 (56 tenths). Discuss how to write this as a number (5.6). Display $0.7 \times 8 = 5.6$ and point out that there is one digit after a decimal point in both the question and the answer.
- Step 5** Ask the children what are 7 hundredths \times 8 (56 hundredths). Discuss how to write this as a number (0.56). Display $0.07 \times 8 = 0.56$ and point out that there are two digits after a decimal point in both the question and the answer.
- Step 6** Complete lots of examples with the children, and then allow them to work with a partner to complete similar examples before trying the work independently.

Question number	Question	Answer	Marks	Related test
1	$27 \times 0 = \square$	0	1	Y4 Autumn Test 4
2	$\square - 0.7 = 0.3$	1	1	Y5 Summer Test 4
3	$12^2 = \square$	144	1	Y5 Autumn Test 4
4	$\square \div 10 = 6200$	62 000	1	Y5 Autumn Test 5, Y4 Autumn Test 3
5	$48 \div \square = 4$	12	1	Y4 Autumn Test 3, Y5 Spring Test 4
6	$\frac{1}{2} - \frac{3}{10} = \square$	$\frac{1}{5}$ (or equiv)	1	Y5 Spring Test 6
7	$17 + 7 = 4 \times \square$	6	1	Y6 Autumn Test 4
8	$(14 - 4) \div (7 - 2) = \square$	2	1	Y6 Spring Test 1
9	$34.2983 \times 100 = \square$	3429.83	1	Y6 Spring Test 3
10	$\frac{1}{3} \times \frac{1}{6} = \square$	$\frac{1}{18}$ (or equiv)	1	Y6 Spring Test 2
11	$\square = \frac{5}{2} - \frac{7}{12}$	$1\frac{11}{12}$ (or equiv)	1	Y6 Autumn Test 2
12	$\frac{9}{10}$ of 80 = \square	72	1	Y6 Autumn Test 3
13	$1\frac{4}{7} + 2\frac{4}{7} = \square$	$1\frac{4}{7}$ (or equiv)	1	Y6 Summer Test 3
14	$93.4 + 26 - 4.85 = \square$	114.55	1	Y6 Summer Test 1, Y6 Autumn Test 5
15	$\square = 732\ 183 - 4468$	727 715	1	Y5 Spring Test 4
16	$6 + 3^2 \div (7 + 2) = \square$	7	1	Y6 Summer Test 1
17	$3\frac{3}{10} + 1\frac{7}{10} = \square$	$1\frac{3}{5}$ (or equiv)	1	Y6 Summer Test 3
18	$837 \div 4 = \square$	209.25	1	Y6 Spring Test 6
19	$\frac{1}{3} + \frac{1}{5} = \square$	$\frac{8}{15}$ (or equiv)	1	Y6 Summer Test 2
20	$0.02 \times 4 = \square$	0.08	1	Y6 Summer Test 4
21	40% of 250 = \square	100	1	Y6 Spring Test 5
22	$\square = 4000 - 2472$	1528	1	Y5 Autumn Test 3
23	$0.1 \times 6 = \square$	0.6	1	Y6 Summer Test 4
24	$1496 = 8 \times \square$	187	1	Y5 Spring Test 5, Y4 Autumn Test 3
25	$9876 \div \square = 6$	1646	1	Y5 Spring Test 5, Y4 Autumn Test 3
26	$9656 \div 34 = \square$	284	2*	Y6 Autumn Test 6
27	$9346 \times 47 = \square$	439 262	2*	Y6 Spring Test 4
28	$0.07 \times 2 = \square$	0.14	1	Y6 Summer Test 4
Total marks			30	

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