

Summer Test 1

Teacher guidance



Skills and knowledge covered in this test:

- Count in multiples of 6, 7, 9, 25 and 1000 [4N1]
- Find 1000 more or less than a given number [4N2b]
- Add and subtract numbers with up to 4 digits [4C2]
- Estimate and use inverse operations to check answers to a calculation [4C3]
- Use multiplication and division facts up to 12×12 [4C6a]
- Use place value and known and derived facts to multiply and divide mentally [4C6b]
- Multiply by 0 and 1; divide by 1 [4C6b]
- Multiply together three numbers [4C6b]
- Multiply 2-digit and 3-digit numbers by single-digit numbers using written method [4C7]
- Count up and down in hundredths [4F1]
- Add and subtract fractions with same denominator [4F4]
- Compare numbers with the same number of decimal points [4F8]
- Divide a single- or 2-digit number by 10 or 100 [4F9]

Focus activity: Multiplication table for 25

4N1, 4C6a, 4C6b, 4C6c

You will need: place-value cards.

Step 1 Count in 25s, recording the jumps from 0 on a number line.

Step 2 Record the multiplication table for 25 from the number line, e.g.:

$$25 \times 0 = 0$$

$$25 \times 1 = 25$$

$$25 \times 2 = 50$$

$$25 \times 3 = 75 \text{ and so on.}$$

Step 3 Explore the patterns in the products. The single digits 0, 5, 0, 5 alternate repeatedly. The 2-digit pattern 00, 25, 50, 75 also repeats. Ask children to explain why these patterns occur.

Step 4 Ask children to take particular note of $25 \times 4 = 100$. Ask them which other facts give a product in hundreds only. Make a list of the relevant calculations to at least 1000.

Step 5 Choose a fact such as $25 \times 4 = 100$ and ask children to write out the rest of the multiplication and division fact family.

Step 6 Explore other multiplication tables in the same way, looking for patterns and acknowledging when there are no obvious patterns, as in the multiplication table for 7. Remind children that commutativity is particularly useful for multiplying by 7, e.g. $3 \times 7 = 21$ and $7 \times 3 = 21$.

Qu. No.	Question	Answer	Mark	Domain ref.	Focus activity
1	$15 - 7 = \square$	8	1	1C2a	Year 1 Summer Test 3, Year 1 Summer Test 4
2	$\square = 30 - 10 - 10$	10	1	2N1	Year 2 Autumn Test 5
3	$6 + 6 + 4 = \square$	16	1	2C2a	Year 2 Autumn Test 4
4	$4 \div 2 = \square$	2	1	2C6	Year 2 Spring Test 3, Year 2 Spring Test 4, Year 2 Spring Test 5, Year 2 Spring Test 6
5	$84 - 6 = \square$	78	1	2C2a	Year 2 Autumn Test 2
6	$13 \times 0 = \square$	0	1	4C6b	Year 4 Autumn Test 2
7	$56 + \square = 72$	16	1	2C3	Year 2 Summer Test 4, Year 2 Summer Test 5
8	$12 \times 1 = \square$	12	1	4C6b	Year 4 Autumn Test 1
9	$\square = \frac{1}{3}$ of 15	5	1	2F1a	Year 2 Summer Test 3
10	$174 + \square = 184$	10	1	3C4	Year 3 Autumn Test 3, Year 3 Summer Test 6
11	$467 + 20 = \square$	487	1	3C2	Year 3 Autumn Test 3, Year 3 Summer Test 6
12	$822 - 557 = \square$	265	1	3C2	Year 3 Summer Test 1, Year 3 Summer Test 4
13	$612 - \square = 222$	390	1	3C4	Year 3 Summer Test 1, Year 3 Summer Test 4
14	$4 \times 6 = \square$	24	1	3C6	Year 3 Spring Test 5
15	$\frac{3}{10}$ of 30 = \square	9	1	3F1b	Year 3 Autumn Test 6, Year 3 Spring Test 1, Year 3 Summer Test 3
16	$\frac{4}{8} + \frac{1}{8} = \square$	$\frac{5}{8}$	1	3F4	Year 3 Autumn Test 5
17	$53 \times 5 = \square$	265	1	3C7	Year 3 Spring Test 6, Year 3 Summer Test 5
18	$\square = 4940 + 1000$	5940	1	4N2b	Year 4 Summer Test 3
19	$0.07 + 0.01 + 0.01 = \square$	0.09	1	4F1	Year 4 Spring Test 5
20	$200 \div \square = 25$	8	1	4N1	Year 4 Summer Test 1
21	$9 \times 8 = \square$	72	1	4C6a	Year 4 Spring Test 6
22	$7 \times \square = 42$	6	1	4C6a	Year 4 Spring Test 6, Year 4 Summer Test 1
23	$4785 + 2456 = \square$	7241	1	4C2	Year 4 Autumn Test 3
24	$6 \times 60 = \square$	360	1	4C6b	Year 4 Summer Test 2
25	$\square = 25 \times 13$	325	1	4N1	Year 4 Summer Test 1
26	$\square = \frac{5}{7} + \frac{3}{7}$	$\frac{8}{7}$ or $1\frac{1}{7}$	1	4F4	Year 4 Spring Test 1
27	$537 \times 8 = \square$	4296	1	4C7	Year 4 Summer Test 5, Year 4 Summer Test 6
28	$6500 - 3245 = \square$	3255	1	4C2	Year 4 Autumn Test 4, Year 4 Autumn Test 5, Year 4 Autumn Test 6
29	$2 \times 5 \times 30 = \square$	300	1	4C6b	Year 4 Summer Test 4, Year 4 Summer Test 5
30	$\square = 39 \div 100$	0.39	1	4F9	Year 4 Spring Test 4, Year 4 Spring Test 5