

SATs-Style Arithmetic Practice

21 questions · 23 marks · about 25–30 minutes · no calculator

Name _____ Date _____ Class _____

Learning objective: I can use efficient written and mental methods to calculate accurately with whole numbers, decimals, fractions and percentages.

Covers the question types on the Year 6 arithmetic paper: the four operations, place value, order of operations, powers, decimals, fractions and percentages.

① $4,672 + 2,385 =$ 1 mark

② $9,004 - 3,716 =$ 1 mark

3 $4.7 \times 100 =$ 1 mark

4 $58.3 \div 100 =$ 1 mark

5 - 350 = 1,420 1 mark

6 $6 \times 7 \times 5 =$ 1 mark

7 $2,465 \div 5 =$ 1 mark

8 $3,527 \times 6 =$ 1 mark

SATs-Style Arithmetic Practice – continued

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1 mark

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2 marks

Show your method – you may get a mark for it.

2 marks

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Answer Key

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Q	Question	Answer	Marks
1	$4,672 + 2,385 =$	7,057	1
2	$9,004 - 3,716 =$	5,288	1
3	$4.7 \times 100 =$	470	1
4	$58.3 \div 100 =$	0.583	1
5	$\square - 350 = 1,420$	1,770	1
6	$6 \times 7 \times 5 =$	210	1
7	$2,465 \div 5 =$	493	1
8	$3,527 \times 6 =$	21,162	1
9	$42 + 36 \div 6 =$	48	1
10	$5^3 =$	125	1
11	$12.6 + 3.45 + 0.8 =$	16.85	1
12	$7.4 - 2.86 =$	4.54	1
13	$0.6 \times 8 =$	4.8	1
14	15% of 240 =	36	1
15	$\frac{3}{5}$ of 45 =	27	1
16	$\frac{2}{3} + \frac{1}{6} =$	$\frac{5}{6}$	1
17	$1\frac{3}{4} - \frac{5}{8} =$	$1\frac{1}{8}$ (accept $\frac{9}{8}$)	1
18	$\frac{3}{4} \times \frac{2}{5} =$	$\frac{3}{10}$ (accept $\frac{6}{20}$)	1
19	$\frac{4}{7} \div 2 =$	$\frac{2}{7}$ (accept $\frac{4}{14}$)	1
20	$2,436 \times 34 =$	82,824	2
21	$6,552 \div 24 =$	273	2
	Total		23

Marking the 2-mark questions (20 and 21): award 2 marks for the correct answer. If the answer is wrong, award 1 mark for a formal written method (long multiplication or long division) with no more than one arithmetic error. For Q20, the partial products are $2,436 \times 4 = 9,744$ and $2,436 \times 30 = 73,080$. For Q21, $24 \times 273 = 6,552$ can be used to check.

Fractions: accept equivalent fractions and mixed numbers unless the question asks for simplest form.