YEAR 6
ARITHMETIC

Skill Tracker

MindsetCounts

This tracker covers every skill you need for your Year 6 SATs Arithmetic Paper (Paper 1).

- **Practised** means you have completed the Lesson Practice Sheet for this skill and followed the lesson.
- **Mastered** means you have completed the Mastery Sheet independently and scored at least 80% (16/20).

Topic	Example	Practised	Mastered
Unit 1: Place Value			
(1) Partition whole numbers	Write 406,072 in expanded form.		
(2) Find a missing value in a partitioned number	73,482 = 70,000 + 3,000 + ___ + 80 + 2		
(3) Multiply whole numbers by 10, 100 and 1,000	3,406 × 100 = ___		
(4) Divide whole numbers by 10, 100 and 1,000	7,200 ÷ 100 = ___		
Unit 2: Addition			
(5) Mental addition using place value	4,360 + 500 = ___		
(6) Mental addition using compensation	3,487 + 99 = ___		
(7) Column addition without regrouping	23,451 + 14,328 = ___		
(8) Column addition with regrouping	47,586 + 28,749 = ___		
(9) Add three or more numbers	2,450 + 375 + 625 = ___		
(10) Find a missing addend	___ + 485 = 1,203		
Unit 3: Subtraction			
(11) Mental subtraction using place value	6,850 − 400 = ___		
(12) Mental subtraction using compensation	5,000 − 199 = ___		
(13) Column subtraction without exchange	86,754 − 32,421 = ___		
(14) Column subtraction with exchange	63,402 − 27,586 = ___		
(15) Subtract across zeros	70,004 − 8,769 = ___		
(16) Find a missing number in a subtraction	920 − ___ = 347		
Unit 4: Multiplication			
(17) Multiply by 0 and 1	0 × 4,683 = ___		
(18) Recall multiplication facts	8 × 7 = ___		

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Topic	Example	Practised	Mastered
(19) Use multiplication facts with multiples of 10 and 100	7 × 800 = ___		
(20) Multiply several numbers efficiently	4 × 25 × 7 = ___		
(21) Multiply a multi-digit number by one digit	3,406 × 7 = ___		
(22) Multiply a decimal by a whole number	3.6 × 14 = ___		
(23) Long multiplication: 2-digit × 2-digit	47 × 36 = ___		
(24) Long multiplication: larger number × 2-digit	3,684 × 27 = ___		
Unit 5: Division			
(25) Divide by 1	8,426 ÷ 1 = ___		
(26) Recall division facts	96 ÷ 12 = ___		
(27) Use division facts with multiples of 10 and 100	4,200 ÷ 7 = ___		
(28) Find a missing divisor or dividend	___ ÷ 8 = 125		
(29) Short division	936 ÷ 6 = ___		
(30) Short division with larger numbers and zero quotient digits	4,824 ÷ 4 = ___		
(31) Long division	8,736 ÷ 24 = ___		
Unit 6: Decimals			
(32) Understand decimal place value	What is the value of the 7 in 4.073?		
(33) Divide decimals by 10	48.6 ÷ 10 = ___		
(34) Divide decimals by 100 and 1,000	72.5 ÷ 100 = ___		
(35) Add decimals with matching decimal places	4.76 + 3.82 = ___		
(36) Add decimals with different decimal places	7.8 + 6.953 = ___		
(37) Subtract decimals	18.45 − 6.78 = ___		
(38) Subtract a decimal from a whole number	8 − 5.37 = ___		
Unit 7: Fractions			
(39) Recognise equivalent fractions	Which fraction is equivalent to 3/4: 6/8, 6/7 or 4/5?		
(40) Create equivalent fractions	3/5 = ___/20		

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Topic	Example	Practised	Mastered
(41) Simplify fractions	Simplify 18/24		
(42) Improper fractions to mixed numbers	Convert 17/5 to a mixed number.		
(43) Mixed numbers to improper fractions	Convert 3 2/5 to an improper fraction.		
(44) Find a unit fraction of an amount	Find 1/6 of 420.		
(45) Find a non-unit fraction of an amount	Find 3/5 of 400.		
(46) Add fractions with the same denominator	3/8 + 4/8 = ___		
(47) Add fractions with related denominators	3/4 + 1/8 = ___		
(48) Add fractions with unrelated denominators	2/3 + 3/5 = ___		
(49) Add three fractions	1/3 + 1/4 + 1/6 = ___		
(50) Add mixed numbers	2 1/3 + 1 3/4 = ___		
(51) Subtract fractions with the same denominator	7/9 − 2/9 = ___		
(52) Subtract fractions with related denominators	7/10 − 1/5 = ___		
(53) Subtract fractions with unrelated denominators	7/8 − 1/6 = ___		
(54) Subtract a fraction from a whole number	5 − 3/4 = ___		
(55) Subtract mixed numbers without exchange	5 7/8 − 2 3/8 = ___		
(56) Subtract mixed numbers with exchange	4 1/3 − 1 5/6 = ___		
(57) Multiply a fraction by a whole number	3/5 × 40 = ___		
(58) Multiply a mixed number by a whole number	1 1/2 × 12 = ___		
(59) Divide a unit fraction by a whole number	1/4 ÷ 3 = ___		
(60) Divide a non-unit fraction by a whole number	3/5 ÷ 3 = ___		
Unit 8: Percentages			
(61) Find 50%, 25% and 10%	Find 25% of 360.		
(62) Find 5%	Find 5% of 680.		

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Topic	Example	Practised	Mastered
(63) Find multiples of 10%	Find 30% of 450.		
(64) Combine known percentages	Find 35% of 600.		
(65) Find 1% and use it to calculate a percentage	Find 23% of 800.		
(66) Find non-benchmark percentages	Find 43% of 900.		
(67) Use complements for 95%, 99% and similar percentages	Find 99% of 700.		
Unit 9: Squares, Cubes & Order of Operations			
(68) Calculate square numbers	9^2 = ___		
(69) Calculate cube numbers	4^3 = ___		
(70) Calculate expressions containing powers	$6 + 3^2$ = ___		
(71) Order of operations without brackets	$70 - 48 \div 6$ = ___		
(72) Order of operations with brackets	$(8 + 4) \times 3$ = ___		
Unit 10: General Revision			
(73) Choose mental or written methods	Calculate 4,999 + 376. Choose the most efficient method.		
(74) Mixed arithmetic: Foundation Skills	Mixed Questions		
(75) Mixed arithmetic: Core Skills	Mixed Questions		
(76) Mixed arithmetic: SATs	Mixed Questions		
(77) Long multiplication and division method-mark practice	4,308 × 26 = ___ Show your full working.		
Unit 11: SATs Papers			
10 Full 36-question arithmetic practice tests	Mixed Questions		



- **Time yourself** - You may know how to answer every question, but you will only have 30 minutes in the SATs Arithmetic paper (plus any extra time you are entitled to). As you practise, you should notice that you can complete the paper more quickly.
- **Reflect** - Mark your work! Take note of what you are doing well with but also notice anything you are getting wrong and go back and practise that skill again before the next practice test.
- **Ask for help** - If something is still tricky, ask someone to help you.

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Test	Score	What I did well	What I should practise
Test 1	____ / 40		
Test 2	____ / 40		
Test 3	____ / 40		
Test 4	____ / 40		
Test 5	____ / 40		
Test 6	____ / 40		
Test 7	____ / 40		
Test 8	____ / 40		
Test 9	____ / 40		
Test 10	____ / 40		

You are ready for your SATs Arithmetic Paper.