

Financial mathematics

Class / group: _____ Term / dates: _____

Student names Practice Statements below										
Calculating the total cost and change for a transaction involving any amount of money										
Applying percentage discounts to whole dollar amounts (e.g. in a 20%-off sale)										



Number structures and operations

Class / group: _____ Term / dates: _____

Student names → Practice Statements below										
Reading, writing comparing, and ordering whole numbers using powers of 10 (e.g. $10,000 = 10^4$, $1000 < 10^4$)										
Representing numbers in expanded form using powers of 10 (e.g. $34,506 = 3 \times 10^4 + 4 \times 10^3 + 5 \times 10^2 + 6$)										
Using exponents and identifying square roots for square numbers up to at least 144										
Using radicals ($\sqrt{}$) to represent square roots										
Using divisibility rules to identify numbers that are divisible by 2, 3, 4, 5, 6, 8, 9, and 10										
Identifying prime numbers to 100										
Finding the highest common factor (HCF) of two numbers under 100, and finding the least common multiple (LCM) of two numbers under 10										
Locating integers on a number line										
Ordering whole negative and positive numbers using a number line										
Identifying the additive inverse of any number										
Representing addition and subtraction of integers using a number line										



Number structures and operations

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Student names → Practice Statements below										
Using negative numbers to solve problems in a range of contexts, including the measurement of temperature and finance										
Using rounding and estimation to predict results and to check the reasonableness of calculations (e.g. $0.73 + 0.8 + 0.999$ must be less than 3 since each are close to but less than 1)										
Rounding whole numbers to any specified power of 10, and rounding decimals to the nearest whole number, tenth, or hundredth										
Multiplying whole numbers										
Dividing whole numbers by one- or two-digit divisors (e.g. $327 \div 5 = 65.4$ or $65 \frac{2}{5}$)										
Evaluating expressions using the order of operations										
Identifying, reading, writing, and representing fractions, decimals, and percentages										
Comparing, ordering, and converting between fractions, decimals, and percentages										
Finding equivalent fractions and representing fractions in their simplest form										
Adding and subtracting fractions, including improper fractions and mixed numbers, and representing the answer in its simplest form										



Number structures and operations

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Student names Practice Statements below										
Adding and subtracting decimals										
Multiplying and dividing numbers by powers of 10										
Multiplying whole numbers by fractions and representing the answer in its simplest form										
Multiplying decimals by whole numbers (e.g. 0.7×5 and 0.7×50 , which both relate to knowing $7 \times 5 = 35$)										
Dividing fractions by whole numbers and representing the answer in its simplest form										
Dividing a whole number by a unit fraction										
Finding a fraction of a whole number (e.g. $\frac{5}{3}$ of 186)										
Finding a whole amount when given a fraction (e.g. $\frac{5}{4}$ of the set is 85, what is the whole set?)										
Finding common percentages of whole numbers										
Finding the whole (100%) when given a percentage (e.g. 40% is 28)										
Using proportional reasoning to explore multiplicative relationships between quantities (e.g. "If there are 3 red for every 7 blue balls, how many balls are there altogether when there are 18 red balls?")										