Subject	Mathematics
Grade	7
Stream	Elite
Number of Questions	25
Type of Questions	Multiple Choice
Calculator	NOT Allowed
Marks per Question	5
Maximum Overall Grade	100*
Exam Duration	120 minutes
Mode of Implementation	SwiftAssess

Notes:

* Best 20 answers out of 25 will count. Example: 14 correct answers yield a grade of 70/100, while 20 and 23 correct answers yield a (full) grade of 100/100 each.

** Questions might appear in a different order in the actual exam.

*** X.-Y. means all examples from X. to Y. For example: 1.-6. means all examples from 1. to 6.; that is, 1., 2., 3., 4., 5., and 6.

**** Page numbers are as per the Reveal Grade 7 Elite textbook printed version.

Q#	Learning Outcome	Textbook Reference	
**	(as it appears in the Scheme of Work)	Example(s)***	Page(s)****
1.	Write two-step equations of the form px+q=r and use inverse operations to solve the equations.	1.-6.	393
2.	Write two-step equations of the form p(x+q)=r and use inverse operations to solve the equations.	7.-10.	405
3.	Use the properties of equality to write and solve equations with variables on each side that have rational coefficients.	1.-4.	417
4.	Write and solve multi-step linear equations with rational coefficients by using the Distributive Property and combining like terms.	1.-4.	429
5.	Identify the number of solutions of a linear equation in one variable by simplifying each side and comparing coefficients and constants.	5.-9.	439
6.	Write one-step addition and subtraction inequalities from real-world situations and use inverse operations to solve the inequalities.	1.-6.	451
7.	Use inverse operations to solve one-step multiplication and division inequalities with positive and negative coefficients.	1.-6.	465
8.	Write two-step inequalities from real-world situations and use inverse operations to solve the inequalities.	7.-12.	477-478
9.	Write two-step inequalities from real-world situations and use inverse operations to solve the inequalities.	1.-6.	477
10.	Graph and compare proportional relationships using words, equations, and tables and interpret the unit rate as the slope of the line.	1.-4.	499
11.	Identify the slope of a line and interpret it as the rate of change within the context of the problem.	4.-6.	513
12.	Identify the slope of a line and interpret it as the rate of change within the context of the problem.	7.-8.	513-514
13.	Identify similar triangles that fall on the same line in a coordinate plane and show that the slopes of the lines are equal.	1.-7.	521-522
14.	Derive the equation y=mx from the slope formula and use direct variation equations to represent and solve real-world and mathematical problems.	3.-4.	533
15.	Write equations of the form y=mx+b when given a table, graph, or verbal description.	7.-10.	545
16.	Interpret the slope and y-intercept of a line from an equation of the form y=mx+b in order to graph the line on the coordinate plane.	1.-6.	555
17.	Describe the likelihood of an event as impossible, unlikely, equally likely to happen as not to happen, likely, or certain.	1.-8.	565
18.	Find the relative frequency of an event and use it to predict the chance of that event occurring in the future.	1.-4.	579
19.	Find the theoretical probability of a simple event and its complement, and understand the relationship between them.	1.-4.	589
20.	Understand what happens to the long-run relative frequency as the number of trials increases, and compare relative frequencies to theoretical probabilities.	1.-3.	597-598
21.	Use organized lists, tables, or tree diagrams to find the sample space and probability of a compound event.	1.-3.	609
22.	Use organized lists, tables, or tree diagrams to find the sample space and probability of a compound event.	4.-7.	609-610
23.	Design a simulation to represent a simple or compound event and use the results of a simulation to find the experimental probability.	1.-4.	619-620
24.	Identify biased and unbiased sampling methods and understand that inferences made are only valid if the sampling method is unbiased.	1.-5.	635
25.	Make predictions about a population based on data from a random sample.	1.-6.	643