

DC CAS Mathematics Target Blueprint

Math Common Core Transition Blueprint for 2014

Grade 2

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
Number & Operations Base Ten	15	0	15	15	33%
Operations & Algebraic Thinking	6	1	7	8 or 9	18%
Measurement and Data	12	1	13	15	33%
Geometry	7	0	7	7	15%
TOTALS	40	2	42	45 or 46	100%

Grade 3

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
Number & Operations Base Ten	7	0	7	7	12%
Operations & Algebraic Thinking	10 or 13	0 or 1	11 or 13	13	22%
Number & Operations Fractions	9 or 12	0 or 1	10 or 12	12	20%
Measurement and Data	17	1	18	20	33%
Geometry	5	1	6	8	13%
TOTALS	51	3	54	60	100%

Grade 4

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
Operations & Algebraic Thinking	10	1	11	13	22%
Number & Operations Base Ten	8	0	8	8	13%
Number & Operations Fractions	16	0	16	16	27%
Measurement and Data	13	1	14	16	26%
Geometry	4	1	5	7	12%
TOTALS	51	3	54	60	100%

Grade 5

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
Operations & Algebraic Thinking	7	1	8	10	17%
Number & Operations Base Ten	9	0	9	9	15%
Number & Operations Fractions	17	0	17	17	28%
Measurement and Data	13	1	14	16	27%
Geometry	5	1	6	8	13%
TOTALS	51	3	54	60	100%

Grade 6

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
Ratios and Proportional Relationships	10 or 13	0 or 1	11 or 13	13	22%
The Number System	10 or 13	0 or 1	11 or 13	13	22%
Expressions and Equations	10 or 13	0 or 1	11 or 13	13	22%
Geometry	8 or 1	0 or 1	9 or 11	11	18%
Statistics & Probability	7	1	8	10	17%
TOTALS	51	3	54	60	100%

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Grade 7

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
The Number System	10	0	10	10	17%
Ratios and Proportional Relationships	12 or 15	0 or 1	13 or 15	15	25%
Expressions and Equations	11 or 14	0 or 1	12 or 14	14	23%
Geometry	7	1	8	10	17%
Statistics & Probability	8	1	9	11	18%
TOTALS	51	3	54	60	100%

Grade 8

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
The Number System	9	0	9	9	15%
Expressions and Equations	10 or 13	0 or 1	11 or 13	13	22%
Functions	10 or 13	0 or 1	11 or 13	13	22%
Geometry	12	1	13	15	24%
Statistics & Probability	7 or 10	0 or 1	8 or 10	10	17%
TOTALS	51	3	54	60	100%

Grade 10

CCSS Reporting Category	SR	CR	Total # Items (Target)	Total # Points (Target)	% Points (Target)
Number & Quantity	5 or 8	0 or 1	6 or 8	8	13%
Algebra	14	1	15	17	28%
Functions	5 or 8	0 or 1	6 or 8	8	13%
Geometry	19	1	20	22	37%
Statistics & Probability	5	0	5	5	8%
TOTALS	51	3	54	60	100%

Blueprint

- > For all grades, Reporting Category percentages are aligned to Common Core standards
- > The 3 Constructed Response (CR) operational items (2 CRs for Grade 2) will measure standards in the RC as indicated above. Where a range is indicated, a CR may or may not be used.
- > If a CR is not used for a RC, its score points will be covered by MC items.
- > There are 58 items (42 op and 16 ft) per form for Grade 2 and 70 items (54 op and 16 ft) per form for Grades 3-8 and 10.
- > For grades 7, 8, and 10, Session 1 will be designated as the calculator session. Students will put away their calculators when Session 1 ends.
- > CR items are each worth 3 points and are scored according to the criteria of a generic rubric and item-specific scoring guide. Certain Grade 2 items will only be worth 2 points since they were selected from the TerraNova item pool.

Anchor Items

- > Items will contribute to operational tests. Ideally, 25 MC (only) are horizontal equating items but some grades may have fewer items in the anchor set due to security breaches

Embedded Field Test (EFT) Items

- > Embedded field test items consist of 14 SRs + 2 CRs for a total of 16 EFT items per form
- > Items are field tested to fill operational slots in future years.
- > CR items will never be the last item of a session.
- > Total EFT items are distributed across two forms.
- > Item development plans are based upon alignment to the Common Core transitional target blueprints.