## GRADE 7

## Multiple-Choice Answer Key

Name: $\qquad$


1. $\underline{C}$
2. $\underline{C}$
3. $\underline{D}$
4. $\underline{C}$
5. $\underline{D}$
6. $\underline{D}$
7. $\underline{B}$
8. $B$
9. $\underline{C}$
10. A
11. $\underline{D}$
12. $\mathbf{A}$
13. $\underline{D}$
14. C
15. $\underline{A}$
16. $\mathbf{A}$
17. $\underline{C}$
18. $\underline{C}$
19. $\underline{B}$
20. B
21. $\mathbf{A}$
22. $B$
23. D
24. $\underline{C}$
25. $\underline{C}$
26. D
27. $\underline{D}$
28. D
29. $\underline{C}$
30. $\underline{D}$

## Multiple-Choice Answer Key

Name:

31. $\underline{B}$
32. $\mathbf{A}$
33. $\mathbf{A}$
34. $\underline{A}$
35. B
36. $\underline{B}$
37. D
38. $\underline{D}$
39. $\underline{C}$
40. D
41. $\underline{D}$
42. $\underline{C}$
43. $\underline{C}$
44. $\underline{C}$
45. $\underline{D}$
46. $B$
47. $\underline{D}$
48. $\underline{B}$
49. $\mathbf{A}$
50. B
51. $\underline{C}$
52. $\underline{A}$
53. $\mathbf{A}$
54. $\underline{A}$
55. B
56. $\underline{A}$
57. $\underline{D}$
58. D
59. $\underline{C}$
60. B

## Constructed-Response Scoring Rubrics

## (曲 Session 3

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| Scoring Rubric |  |  |  |
| :---: | :---: | :---: | :---: |
| 4 | The student earns 4 points. |  |  |
| 3 | The student earns 3 points. |  |  |
| 2 | The student earns 2 points. |  |  |
| 1 | The student earns 1 point OR demonstrates minimal understanding of the standard being measured. |  |  |
| 0 | The student's response is incorrect, irrelevant to the skill or standard being measured, or blank. |  |  |
| Sample Answer: |  |  |  |
| Part A. |  |  |  |
| Triangle Measures |  |  |  |
| Measures | Not a <br> Triangle | Unique Triangle | More <br> Than One Triangle |
| 11 in., 11 in., $60^{\circ}$ |  | X |  |
| $25^{\circ}, 50^{\circ}, 25^{\circ}$ | X |  |  |
| $5 \mathrm{ft}, 6 \mathrm{ft}, 10 \mathrm{ft}$ |  | X |  |
| $68^{\circ}, 109^{\circ}, 3^{\circ}$ |  |  | X |
| $13 \mathrm{~cm}, 7 \mathrm{~cm}, 6 \mathrm{~cm}$ | X |  |  |
| $8 \mathrm{~mm}, 2 \mathrm{~mm}, 90^{\circ}$ |  |  | X |
| Part B. Since we know that at least two of the side lengths are equal, this has to be an isosceles or equilateral triangle. Also, one of the three angles must measure $60^{\circ}$. An isosceles triangle with one $60^{\circ}$ angle must have all angles equal to $60^{\circ}$, or equiangular. An equiangular triangle is also an equilateral triangle. Since we know the exact length of the sides, it must be a unique triangle because there is only one equilateral/equiangular triangle that can be created with side lengths of 11 inches. |  |  |  |
| Part C. 11 inches, 11 inches, 22 inches (or greater) |  |  |  |
| 11 inches, 11 inches, $180^{\circ}$ (or greater) OR | OR |  |  |
| 11 inches, $120^{\circ}$ (or greater), $60^{\circ}$ |  |  |  |

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Points Assigned:
Part A. 2 points
2 points for correctly categorizing all 5 sets of measures (not including the given set)
OR
1 point for correctly categorizing 3 or 4 sets of measures (not including the given set)
Part B. 1 point
1 point for giving a complete and accurate explanation of why the measures produce a unique triangle
Part C. 1 point
1 point for changing only one of the measures to one (either length or angle measure) that would not allow for a triangle to be created
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| Scoring Rubric | $\mathbf{4}$ |
| :--- | :--- |
| $\mathbf{3}$ | The student earns 5 points. |
| $\mathbf{1}$ | The student earns 3 or 4 points. |
|  | The student earns 2 points. <br> standard being measured. |
| Sample Answer: | The student's response is incorrect, irrelevant to the skill or standard being <br> measured, or blank. |
| Part A. 80 |  |
| Part B. Subtract 80 from 200 or multiply 200 by $\frac{3}{5}$ or equivalent. |  |
| Part C. 20\%. First, I know there are 80 seventh graders and $30 \%$ of them are in the band. $30 \%$ of 80 is 24, |  |
| so there are also 24 sixth graders. Since there are 120 sixth graders total, I know that $\frac{24}{120}=\frac{1}{5}=20 \%$ of |  |
| the sixth graders are in the band. |  |
| Points Assigned: | Part A. 1 point <br> 1 point for correctly determining the number of seventh graders <br> Part B. 2 points <br> 1 point for each of the 2 complete and accurate descriptions of how to determine the number of sixth <br> graders |
| Part C. 2 points |  |
| 1 point for correctly determining the percentage of sixth graders in the band |  |
| AND |  |
| 1 point for giving a complete and accurate explanation of how to determine the percentage of sixth |  |
| graders in the band |  |

Note: Scorers should follow along with the student's work throughout. If the student makes an error in a previous part and subsequent answers are correct based on the earlier error, the student should not be penalized again.



