Spiral review 1 · Grade 6 · Mixed math

Grade 6 · Spiral review · Set 1

Name: _____ Date: _____ Score: ____ / 13

Solve each problem. Show your work in the space provided.

1. 7 : 12 = □ : 96 1 pt

2. 12 : 12 = □ : 108 1 pt

3. 5% × 1100 = 1 pt

4. 1/3 ÷ 1/6 = 1 pt

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Solve each problem. Show your work in the space provided.

5. 84 □ 42 1 pt

6. Find the distance between -18 and 4. 1 pt



7. 8x + 5, when x = 9 1 pt

8. 13x + 16, when x = 9 1 pt

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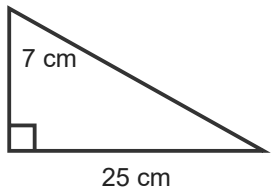
Solve each problem. Show your work in the space provided. For the last problem, explain or draw how you know.

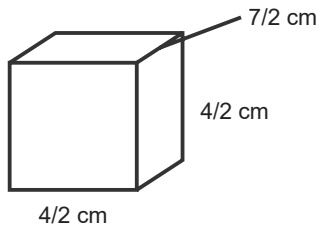
9. x + 7 = 37 — 1 pt

10. Area = — 1 pt



11. Find the mean: 63, 56, 77, 70 — 1 pt

12. Volume: 4/2 cm × 4/2 cm × 7/2 cm = — 2 pts



Teacher answer key

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All ten grade targets

Scoring: 1 point for each correct answer. The last problem earns 1 additional point for a valid strategy or explanation. Equivalent fractions and equivalent exact forms are acceptable.

1.	**56**	Equivalent ratios
2.	**108**	Equivalent ratios
3.	**55**	Percent of a quantity
4.	**2**	Dividing fractions
5.	**>**	Comparing signed numbers
6.	**22**	Distance on a number line
7.	**77**	Evaluating expressions
8.	**133**	Evaluating expressions
9.	**x = 30**	One-step equations
10.	**87.5 cm²**	Triangle area
11.	**66.5**	Mean of a data set
12.	**14 cm³**	Volume with fractional edges

Reasoning: a correct model, calculation, or explanation supports the answer.

After checking: discuss one error, model a strategy, then choose a focused practice sheet.