Unit check 1 · Grade 6 · Equivalent ratios + Percent of a quantity

Grade 6 · Unit check · Set 1

Name: _____ Date: _____ Score: ____ / 17

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

1. 1 : 5 = □ : 40 1 pt

2. 6 : 5 = □ : 45 1 pt

3. 11 : 5 = □ : 10 1 pt

4. 4 : 6 = □ : 18 1 pt

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Name: _____ Date: _____

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

5. 9 : 6 = □ : 24 1 pt

6. 2 : 7 = □ : 35 1 pt

7. 7 : 7 = □ : 42 1 pt

8. 12 : 7 = □ : 49 1 pt

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

9. 40% × 1220 = 1 pt

10. 60% × 760 = 1 pt

11. 80% × 300 = 1 pt

12. 90% × 1440 = 1 pt

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Name: _____ Date: _____

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

13. 10% × 980 = 1 pt

14. 20% × 520 = 1 pt

15. 30% × 60 = 1 pt

16. 40% × 1200 = 2 pts

Teacher answer key

Grade 6 · Unit check · Set 1

Equivalent ratios + Percent of a quantity

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.	**8**	Equivalent ratios
2.	**54**	Equivalent ratios
3.	**22**	Equivalent ratios
4.	**12**	Equivalent ratios
5.	**36**	Equivalent ratios
6.	**10**	Equivalent ratios
7.	**42**	Equivalent ratios
8.	**84**	Equivalent ratios
9.	**488**	Percent of a quantity
10.	**456**	Percent of a quantity
11.	**240**	Percent of a quantity
12.	**1296**	Percent of a quantity
13.	**98**	Percent of a quantity
14.	**104**	Percent of a quantity
15.	**18**	Percent of a quantity
16.	**480**	Percent of a quantity

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

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