Name: _____ Date: _____

Equivalent Ratios

Grade 6 • 32 questions • Part A: find the missing number. Multiply or divide both parts by the same number

1. 9 : 12 = 21 : ____

2. 15 : 20 = ____ : 12

3. 10 : 12 = 20 : ____

4. 3 : 15 = ____ : 45

5. 4 : 16 = 6 : ____

6. 9 : 12 = ____ : 28

7. 15 : 10 = 27 : ____

8. 25 : 10 = ____ : 16

9. 20 : 16 = 30 : ____

10. 6 : 27 = ____ : 18

11. 6 : 21 = 4 : ____

12. 6 : 9 = ____ : 21

Part B • Complete each ratio table

13–14.

cups of juice	cups of water
1	3
2	
3	9
	18

15–16.

packs	pens
1	5
3	15
	30
10	

17–18.

tickets	dollars
3	2
6	
9	6
	10

19–20.

laps	minutes
5	2
10	4
	8
30	

Name: _____ Date: _____

Equivalent Ratios

Part C • Are the two ratios equivalent? Write yes or no • Part D: write two ratios equivalent to each one

21. 8 : 10 and 20 : 25 _____

22. 3 : 15 and 5 : 26 _____

23. 9 : 15 and 18 : 30 _____

24. 10 : 8 and 15 : 12 _____

25. 3 : 6 and 6 : 12 _____

26. 10 : 6 and 30 : 19 _____

27. 3 : 15 and 6 : 30 _____

28. 2 : 6 and 4 : 14 _____

Part D • Write two ratios equivalent to each one

29. 3 : 4 _____ _____

30. 2 : 5 _____ _____

31. 10 : 15 _____ _____

32. 4 : 7 _____ _____

Tip: to check two ratios, simplify both, or cross-multiply. 2 : 3 and 6 : 9 give 2 × 9 = 18 and 3 × 6 = 18.

Answer Key — Equivalent Ratios

1. 28
2. 9
3. 24
4. 9
5. 24
6. 21
7. 18
8. 40
9. 24
10. 4
11. 14
12. 14
13. 6
14. 6
15. 6
16. 50
17. 4
18. 15
19. 20
20. 12
21. yes
22. no
23. yes
24. yes
25. yes
26. no
27. yes
28. no
29. e.g. 6 : 8 and 9 : 12
30. e.g. 4 : 10 and 6 : 15
31. e.g. 2 : 3 and 4 : 6
32. e.g. 8 : 14 and 12 : 21