4-1 **Practice**

Factors and Monomials

Use divisibility rules to determine whether each number is divisible by 2, 3, 5, 6, or 10.

1. 476

2. 117

3. 426

4. 29

5. 735

6. 276

7. 1200

8. 2370

9. 700

10. 4200

List all the factors of each number.

11. 48

12. 24

13. 121

14. 82

15. 37

16. 196

17. 95

18. 110

19. 96

20. 200

Determine whether each expression is a monomial. Explain why or why not.

21. 82

22. $4(-m)$

23. m

24. rv

25. $6(x - 6)$

26. $8n - 8$

27. $(-12)(-8)x$

28. $w \cdot \ell$

29. $2\ell + 2w$

30. $2s - t$

NEWSPAPERS   For Exercises 31 and 32, refer to the following information.

Brandon delivers newspapers in his neighborhood. On Sunday, he must deliver 112 papers. Since he rides his bike, he separates the papers into smaller stacks and delivers one stack at a time.

31. What size stacks can he make?

32. If Brandon can carry no more than 30 papers at a time and can return home to restock no more than 5 times, how can he organize the 112 papers?

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