

9-1**Skills Practice**

Look

Factors and Greatest Common Factors

Find the factors of each number. Then classify each number as *prime* or *composite*.

1. 10

Look

2. 31

3. 16

4. 52

5. 38

6. 105

Find the **prime factorization** of each integer.

7. -16

8. 20

9. 24

10. 36

11. 112

12. -72

Factor each monomial completely.

13. $10a^4$ 14. $-27x^3y^2$ 15. $28pq^2$ 16. $44m^2ns^3$

Find the GCF of each set of monomials.

17. 12, 18

18. 20, 27

19. 30, 48

20. 24, 81

21. 20, 36, 64

22. 42, 60, 78

23. $16c$, $21b^2d$ 24. $18a$, $48a^4$ 25. $32xyz$, $48xy^4$ 26. $12m^3n^2$, $44mn^3$

(1) Show all work on looseleaf.

(2) Only fill out the top part of this page, don't show your work or write your answers on this page.

(3) Did I mention: "Show all work on looseleaf"?

(4) Write your factor trees neatly.

(5) Read the directions completely for each problem and answer what is being asked!

(6) Always repair your divots.