Simplifying Fraction Worksheet

Name: _____ Date: _____

A. SIMPLIFY THE FRACTIONS

1. 2/4 = _____
2. 3/6 = _____
3. 4/8 = _____
4. 5/10 = _____
5. 6/9 = _____
6. 8/12 = _____
7. 10/15 = _____
8. 12/16 = _____
9. 15/20 = _____
10. 18/24 = _____

B. SIMPLIFY TO THE LOWEST TERMS

11. 14/21 = _____
12. 16/24 = _____
13. 20/30 = _____
14. 21/28 = _____
15. 24/36 = _____
16. 25/35 = _____
17. 27/45 = _____
18. 32/40 = _____
19. 36/48 = _____
20. 42/56 = _____

C. FIND THE GREATEST COMMON FACTOR (GCF)

21. 8 and 12 → GCF = _____
22. 15 and 25 → GCF = _____
23. 18 and 24 → GCF = _____
24. 20 and 30 → GCF = _____
25. 28 and 42 → GCF = _____

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D. SIMPLIFY THE FRACTIONS

26. 45/60 = _____
27. 48/64 = _____
28. 50/75 = _____
29. 54/72 = _____
30. 63/81 = _____

E. WORD PROBLEMS

31. Sara ate 4 out of 8 equal pieces of a cake.

    Write the fraction and simplify it.

    Answer: _____

32. A box contains 12 pencils. 6 pencils are red.

    What fraction of the pencils are red? Simplify your answer.

    Answer: _____

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33. There are 20 students in a class. 15 students brought lunch.

    What fraction of the students brought lunch? Simplify your answer.

    Answer: _____

F.

34. Simplify:

    84/126 = _____

35. Simplify:

    96/144 = _____

36. Simplify:

    125/175 = _____