Lesson 1 Homework Practice

Estimate Products of Fractions

Estimate each product.

1. $\dfrac{1}{3} \times 28$

2. $\dfrac{1}{7} \times 20$

3. $\dfrac{1}{9}$ of 83

4. $\dfrac{2}{5}$ of 37

5. $\dfrac{5}{8} \times 23$

6. $\dfrac{2}{3} \times 76$

7. $\dfrac{7}{8} \times \dfrac{4}{5}$

8. $2\dfrac{6}{7} \times 3\dfrac{1}{4}$

9. $12\dfrac{9}{10} \times 6\dfrac{1}{4}$

Lesson 2 Homework Practice

Multiply Fractions and Whole Numbers

Multiply. Write in simplest form.

10. $5 \times \dfrac{1}{5}$

11. $15 \times \dfrac{1}{3}$

12. $36 \times \dfrac{1}{9}$

13. $15 \times \dfrac{2}{3}$

14. $24 \times \dfrac{3}{8}$

15. $20 \times \dfrac{3}{4}$

16. $\dfrac{2}{5} \times 25$

17. $\dfrac{4}{6} \times 30$

18. $\dfrac{5}{6} \times 4$

19. **ALLIGATORS** At a local river, there were 48 alligators laying on the riverbank. If $\dfrac{5}{6}$ of the alligators were asleep, how many were *not* asleep?

Lesson 3 Homework Practice

Multiply Fractions

Multiply. Write in simplest form.

20. $\dfrac{1}{4} \times \dfrac{3}{5}$

21. $\dfrac{7}{8} \times \dfrac{1}{3}$

22. $\dfrac{1}{2} \times \dfrac{3}{4}$

23. $\dfrac{2}{3} \times \dfrac{2}{9}$

24. $\dfrac{1}{3} \times 11$

25. $\dfrac{8}{9} \times \dfrac{9}{10}$

26. $\dfrac{1}{3} \times \dfrac{1}{4} \times \dfrac{1}{5}$

27. $\dfrac{3}{4} \times \dfrac{2}{8} \times \dfrac{2}{3}$

28. $\dfrac{2}{3} \times \dfrac{12}{17} \times \dfrac{1}{4}$

29. SPORTS Of the sixth graders in a school, $\dfrac{4}{5}$ play at least one sport. Of those, $\dfrac{2}{3}$ play on a team. What fraction of the sixth graders play a sport on a team?

Lesson 4 Homework Practice

Multiply Mixed Numbers

Multiply. Write in simplest form.

30. $\dfrac{4}{5} \times 3\dfrac{1}{8}$

31. $\dfrac{9}{10} \times 3\dfrac{1}{3}$

32. $1\dfrac{3}{5} \times \dfrac{3}{5}$

33. $6\dfrac{4}{5} \times 1\dfrac{2}{3}$

34. $5\dfrac{1}{3} \times 2\dfrac{1}{4}$

35. $5\dfrac{1}{2} \times 3\dfrac{1}{3} \times \dfrac{1}{6}$

36. LUMBER A lumber yard has a scrap sheet of plywood that is $23\dfrac{3}{4}$ inches by $41\dfrac{1}{5}$ inches. What is the area of the plywood?