

Multiplying Fractions BPII 3.5 Homework

All answers should be on lined paper. Show all work and circle your answer. Leave space between problems. Be sure to number problems!

For Exercises 21–29, use your algorithm for multiplying fractions to determine each product.

21. $\frac{5}{12} \times 1\frac{1}{3}$

22. $\frac{2}{7} \times \frac{7}{8}$

23. $3\frac{2}{9} \times \frac{7}{3}$

24. $2\frac{2}{5} \times 1\frac{1}{15}$

25. $10\frac{3}{4} \times 2\frac{2}{3}$

26. $1\frac{1}{8} \times \frac{4}{7}$

27. $\frac{11}{6} \times \frac{9}{10}$

28. $\frac{9}{4} \times 1\frac{1}{6}$

29. $\frac{5}{2} \times \frac{8}{11}$

Explain your answers for 30–32.

30. **Multiple Choice** Choose the number that, when multiplied by $\frac{4}{7}$, will be greater than $\frac{4}{7}$.

A. $\frac{1}{7}$

B. $\frac{7}{7}$

C. $\frac{17}{7}$

D. $\frac{4}{7}$

31. **Multiple Choice** Choose the number that, when multiplied by $\frac{4}{7}$, will be less than $\frac{4}{7}$.

F. $\frac{1}{7}$

G. $\frac{7}{7}$

H. $\frac{17}{7}$

J. $\frac{8}{7}$

32. **Multiple Choice** Choose the number that, when multiplied by $\frac{4}{7}$, will be exactly $\frac{4}{7}$.

A. $\frac{1}{7}$

B. $\frac{7}{7}$

C. $\frac{17}{7}$

D. $\frac{4}{7}$