

More about dividing decimals

Before regrouping, you sometimes have to write one or more zeros in the dividend.

EXAMPLE. $8 \overline{)2.5}$

Step 1.

Divide and regroup.

$$\begin{array}{r} 0.3 \\ 8 \overline{)2.50} \\ \underline{-24} \\ 10 \end{array}$$

Step 2.

Divide and regroup.

$$\begin{array}{r} 0.31 \\ 8 \overline{)2.500} \\ \underline{-24} \\ 10 \\ \underline{-8} \\ 20 \end{array}$$

Step 3.

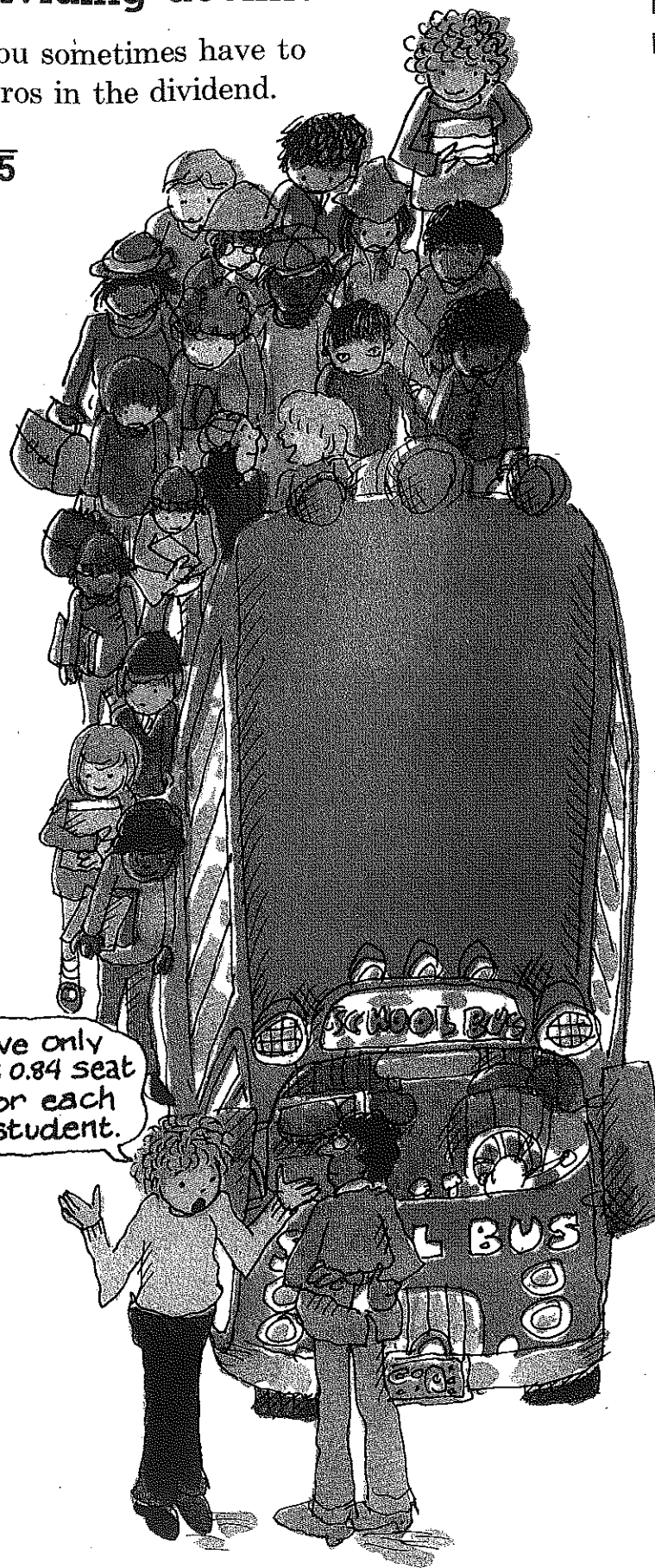
Divide and regroup.

$$\begin{array}{r} 0.312 \\ 8 \overline{)2.5000} \\ \underline{-24} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-16} \\ 40 \end{array}$$

Step 4.

Divide.

$$\begin{array}{r} 0.3125 \\ 8 \overline{)2.5000} \\ \underline{-24} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-16} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$



EXERCISES

Divide.

1. $5 \overline{)2.6}$

2. $4 \overline{)4.6}$

3. $5 \overline{)4.18}$

4. $6 \overline{)15}$

5. $4 \overline{)7.3}$

6. $8 \overline{)25}$

7. $5 \overline{)3.74}$

8. $4 \overline{)0.31}$

9. $2 \overline{)0.53}$

10. $5 \overline{)9.27}$

11. $10 \overline{)0.67}$

12. $12 \overline{)9.3}$

13. $10 \overline{)0.924}$

14. $16 \overline{)27}$

15. $18 \overline{)4.5}$

16. $24 \overline{)25.2}$

17. $40 \overline{)53.6}$

18. $16 \overline{)5.2}$

19. $32 \overline{)6.80}$

20. $56 \overline{)9.8}$