

Dividing by 8 or 9

It's Algebra!

Mrs. Ferris is buying one place setting of dinnerware at a time to complete her set. How much will she pay for one place setting?

We want to find the cost of one place setting.

The sale price is _____ for _____ place settings.

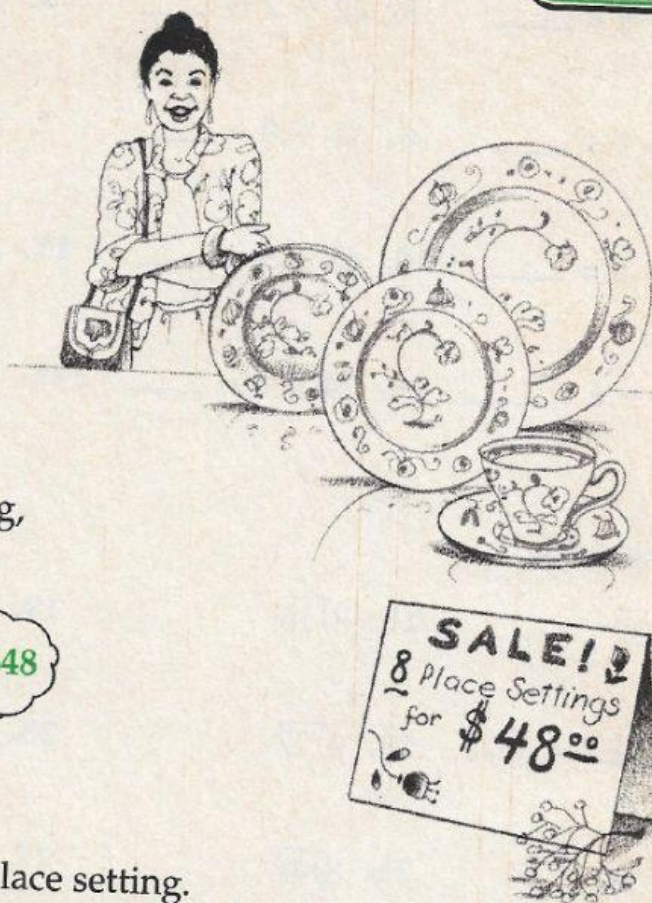
To find the cost of one place setting, we divide _____ by _____.

$$\square \times 8 = \$48$$

$$8 \times \square = \$48$$

$$\$48 \div 8 = \underline{\hspace{2cm}} \quad \text{or} \quad 8 \overline{) \$48}$$

Mrs. Ferris will pay _____ for one place setting.



Getting Started

Divide.

1. $64 \div 8 = \underline{\hspace{2cm}}$

2. $36 \div 9 = \underline{\hspace{2cm}}$

3. $18 \div 9 = \underline{\hspace{2cm}}$

4. $45 \div 9 = \underline{\hspace{2cm}}$

5. $56 \div 8 = \underline{\hspace{2cm}}$

6. $72 \div 8 = \underline{\hspace{2cm}}$

7. $48 \div 8 = \underline{\hspace{2cm}}$

8. $27 \div 9 = \underline{\hspace{2cm}}$

Copy and divide.

9. $3 \overline{) 15}$

10. $8 \overline{) 32}$

11. $9 \overline{) 72}$

12. $9 \overline{) 54}$

13. $8 \overline{) 72}$

14. $9 \overline{) 63}$

15. $8 \overline{) 24}$

16. $8 \overline{) 40}$

17. $8 \overline{) 56}$

18. $5 \overline{) 45}$

19. $7 \overline{) 21}$

Practice

Divide.

- | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. $36 \div 9 = \underline{\quad}$ | 2. $42 \div 7 = \underline{\quad}$ | 3. $48 \div 8 = \underline{\quad}$ | 4. $64 \div 8 = \underline{\quad}$ |
| 5. $27 \div 9 = \underline{\quad}$ | 6. $81 \div 9 = \underline{\quad}$ | 7. $56 \div 8 = \underline{\quad}$ | 8. $16 \div 8 = \underline{\quad}$ |
| 9. $18 \div 9 = \underline{\quad}$ | 10. $45 \div 9 = \underline{\quad}$ | 11. $25 \div 5 = \underline{\quad}$ | 12. $63 \div 9 = \underline{\quad}$ |
| 13. $48 \div 6 = \underline{\quad}$ | 14. $24 \div 8 = \underline{\quad}$ | 15. $72 \div 8 = \underline{\quad}$ | 16. $32 \div 8 = \underline{\quad}$ |

Copy and divide.

- | | | | |
|------------------------|------------------------|------------------------|------------------------|
| 17. $8 \overline{)32}$ | 18. $8 \overline{)16}$ | 19. $6 \overline{)36}$ | 20. $9 \overline{)45}$ |
| 21. $9 \overline{)63}$ | 22. $9 \overline{)27}$ | 23. $8 \overline{)72}$ | 24. $8 \overline{)24}$ |
| 25. $9 \overline{)36}$ | 26. $8 \overline{)48}$ | 27. $4 \overline{)16}$ | 28. $8 \overline{)56}$ |
| 29. $3 \overline{)9}$ | 30. $9 \overline{)54}$ | 31. $9 \overline{)18}$ | 32. $9 \overline{)81}$ |

Problem Solving

Solve each problem.

- | | |
|--|---|
| 33. Katy paid \$24 for 8 scarves.
How much did each scarf cost? | 34. Phil paid 54¢ for 9 nails. How
much did each nail cost? |
| 35. Leigh paid \$40 for 8 baseballs.
Later, she sold the baseballs for
\$7 each. How much profit did
Leigh make on each baseball? | 36. There are 9 players on a softball
team. All 45 people who came
to practice were put on teams.
Each team paid a fee of \$8 to
use the field. How much was
collected from the teams? |