

## 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 \_\_\_\_\_.



$$\boxed{\square} \times 8 = \$48 \quad 8 \times \boxed{\square} = \$48$$

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



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?