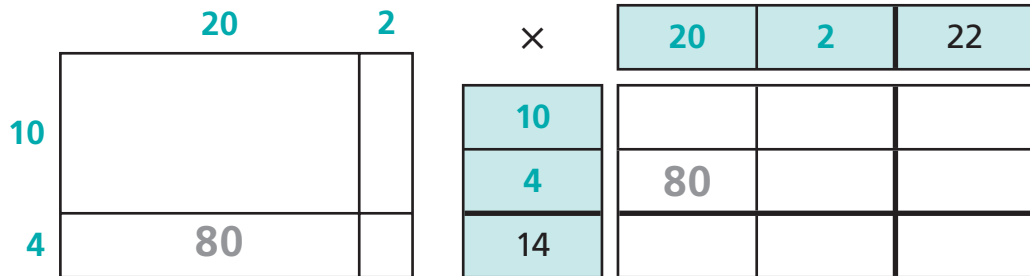


# Multiplying by Multiples of 10

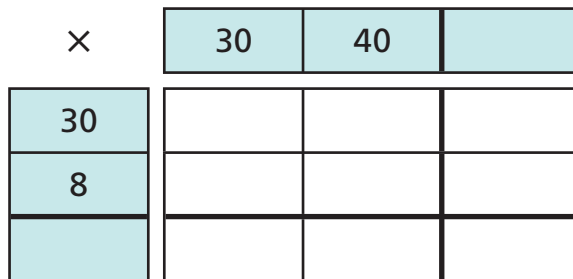
NCTM Standards 1, 2, 7, 8, 9, 10

Complete the area model and puzzles.

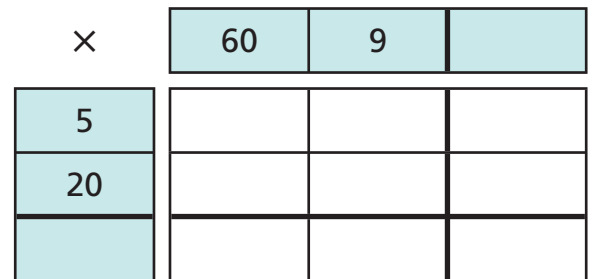
1



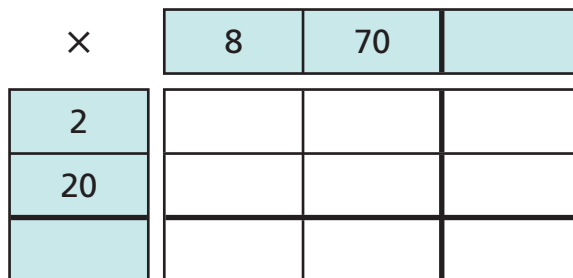
2



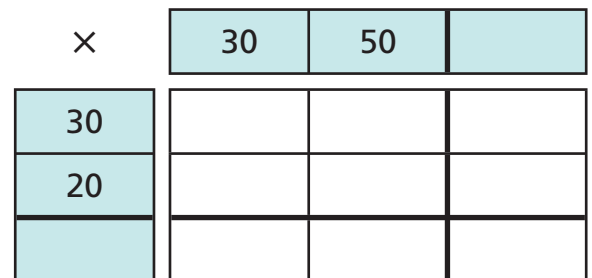
3



4



5





6 What is the connection between  $2 \times 3$  and  $20 \times 30$ ?

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**Complete the number sentences.**

7  $4 \times 2 = \underline{\hspace{2cm}}$   
 $4 \times 20 = \underline{\hspace{2cm}}$   
 $2 \times 40 = \underline{\hspace{2cm}}$   
 $20 \times 40 = \underline{\hspace{2cm}}$

8  $3 \times 8 = \underline{\hspace{2cm}}$   
 $30 \times 8 = \underline{\hspace{2cm}}$   
 $80 \times 3 = \underline{\hspace{2cm}}$   
 $30 \times 80 = \underline{\hspace{2cm}}$

9  $5 \times 8 = \underline{\hspace{2cm}}$   
 $50 \times 80 = \underline{\hspace{2cm}}$   
 $5 \times 80 = \underline{\hspace{2cm}}$   
 $8 \times 50 = \underline{\hspace{2cm}}$

10  $12 \times 6 = \underline{\hspace{2cm}}$   
 $120 \times 6 = \underline{\hspace{2cm}}$   
 $60 \times 12 = \underline{\hspace{2cm}}$   
 $60 \times 120 = \underline{\hspace{2cm}}$

**11 Challenge** Complete the puzzle.

|     |  |  |     |
|-----|--|--|-----|
| ×   |  |  | 150 |
|     |  |  |     |
|     |  |  |     |
| 120 |  |  |     |