

Challenge

Multiplication Models

Write the multiplication sentence for each model.

1. $40 = 10 + 10 + 10 + 10$

| | | | | |
|---------------------------|---------------|---------------|---------------|---------------|
| $\overline{\overline{3}}$ | | | | |
| 1 | 1×10 | 1×10 | 1×10 | 1×10 |
| + | | | | |
| 1 | 1×10 | 1×10 | 1×10 | 1×10 |
| + | | | | |
| 1 | 1×10 | 1×10 | 1×10 | 1×10 |

2.

| | |
|--------------------|--------------------|
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |

3. $10 + 10 + 10$

| | | | |
|---|--|--|--|
| 1 | | | |
| + | | | |
| 1 | | | |
| + | | | |
| 1 | | | |
| + | | | |
| 1 | | | |
| + | | | |
| 1 | | | |

4. $10 + 10 + 10 + 10$

| | | | |
|----|--|--|--|
| 10 | | | |
| + | | | |
| 10 | | | |
| + | | | |
| 10 | | | |
| + | | | |
| 10 | | | |
| + | | | |
| 10 | | | |

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1. $40 = 10 + 10 + 10 + 10$

| | | | | |
|----------|---------------|---------------|---------------|---------------|
| <u>3</u> | | | | |
| 1 | 1×10 | 1×10 | 1×10 | 1×10 |
| + | | | | |
| 1 | 1×10 | 1×10 | 1×10 | 1×10 |
| + | | | | |
| 1 | 1×10 | 1×10 | 1×10 | 1×10 |

$$\underline{3 \times 40 = 120}$$

2.

| | |
|--------------------|--------------------|
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |
| $1 \times 10 = 10$ | $1 \times 10 = 10$ |

$$\underline{4 \times 20 = 80}$$

3. $10 + 10 + 10$

| | | | |
|---|--|--|--|
| 1 | | | |
| + | | | |
| 1 | | | |
| + | | | |
| 1 | | | |
| + | | | |
| 1 | | | |
| + | | | |
| 1 | | | |

$$\underline{5 \times 30 = 150}$$

4. $10 + 10 + 10 + 10$

| | | | |
|----|--|--|--|
| 10 | | | |
| + | | | |
| 10 | | | |
| + | | | |
| 10 | | | |
| + | | | |
| 10 | | | |
| + | | | |
| 10 | | | |

$$\underline{50 \times 40 = 2,000}$$