

# Addition Using the Bar Model

## Two-digit Numbers

Aim: I can add two-digit numbers

### Example

$$34 + 25 = 59$$

$$30 + 20 = 50$$

$$4 + 5 = 9$$

1.  $84 + 46 = \underline{\quad}$

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6.  $89 + 92 = \underline{\quad}$

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2.  $46 + 11 = \underline{\quad}$

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7.  $19 + 89 = \underline{\quad}$

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3.  $47 + 39 = \underline{\quad}$

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8.  $14 + 57 = \underline{\quad}$

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4.  $29 + 25 = \underline{\quad}$

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9.  $83 + 30 = \underline{\quad}$

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5.  $53 + 69 = \underline{\quad}$

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10.  $95 + 99 = \underline{\quad}$

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## Addition Using the Bar Model Two-digit Numbers

11.  $17 + 20 = \underline{\quad}$

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16.  $33 + 38 = \underline{\quad}$

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12.  $26 + 99 = \underline{\quad}$

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17.  $21 + 93 = \underline{\quad}$

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13.  $48 + 82 = \underline{\quad}$

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18.  $21 + 69 = \underline{\quad}$

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14.  $87 + 46 = \underline{\quad}$

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19.  $98 + 91 = \underline{\quad}$

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15.  $40 + 60 = \underline{\quad}$

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20.  $35 + 88 = \underline{\quad}$

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# Answers

1.  $84 + 46 = 130$

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|-----------------|--------------|
| $80 + 40 = 120$ | $4 + 6 = 10$ |
|-----------------|--------------|

6.  $89 + 92 = 181$

|                 |              |
|-----------------|--------------|
| $80 + 90 = 170$ | $9 + 2 = 11$ |
|-----------------|--------------|

2.  $46 + 11 = 57$

|                |             |
|----------------|-------------|
| $40 + 10 = 50$ | $6 + 1 = 7$ |
|----------------|-------------|

7.  $19 + 89 = 108$

|                |              |
|----------------|--------------|
| $10 + 80 = 90$ | $9 + 9 = 18$ |
|----------------|--------------|

3.  $47 + 39 = 86$

|                |              |
|----------------|--------------|
| $40 + 30 = 70$ | $7 + 9 = 16$ |
|----------------|--------------|

8.  $14 + 57 = 71$

|                |              |
|----------------|--------------|
| $10 + 50 = 60$ | $4 + 7 = 11$ |
|----------------|--------------|

4.  $29 + 25 = 54$

|                |              |
|----------------|--------------|
| $20 + 20 = 40$ | $9 + 5 = 14$ |
|----------------|--------------|

9.  $83 + 30 = 113$

|                 |             |
|-----------------|-------------|
| $80 + 30 = 110$ | $3 + 0 = 3$ |
|-----------------|-------------|

5.  $53 + 69 = 122$

|                 |              |
|-----------------|--------------|
| $50 + 60 = 110$ | $3 + 9 = 12$ |
|-----------------|--------------|

10.  $95 + 99 = 194$

|                 |              |
|-----------------|--------------|
| $90 + 90 = 180$ | $5 + 9 = 14$ |
|-----------------|--------------|

11.  $17 + 20 = 37$

|                |             |
|----------------|-------------|
| $10 + 20 = 30$ | $7 + 0 = 7$ |
|----------------|-------------|

16.  $33 + 38 = 71$

|                |              |
|----------------|--------------|
| $30 + 30 = 60$ | $3 + 8 = 11$ |
|----------------|--------------|

12.  $26 + 99 = 125$

|                 |              |
|-----------------|--------------|
| $20 + 90 = 110$ | $6 + 9 = 15$ |
|-----------------|--------------|

17.  $21 + 93 = 114$

|                 |             |
|-----------------|-------------|
| $20 + 90 = 110$ | $1 + 3 = 4$ |
|-----------------|-------------|

13.  $48 + 82 = 130$

|                 |              |
|-----------------|--------------|
| $40 + 80 = 120$ | $8 + 2 = 10$ |
|-----------------|--------------|

18.  $21 + 69 = 90$

|                |              |
|----------------|--------------|
| $20 + 60 = 80$ | $1 + 9 = 10$ |
|----------------|--------------|

14.  $87 + 46 = 133$

|                 |              |
|-----------------|--------------|
| $80 + 40 = 120$ | $7 + 6 = 13$ |
|-----------------|--------------|

19.  $98 + 91 = 189$

|                 |             |
|-----------------|-------------|
| $90 + 90 = 180$ | $8 + 1 = 9$ |
|-----------------|-------------|

15.  $40 + 60 = 100$

|                 |             |
|-----------------|-------------|
| $40 + 60 = 100$ | $0 + 0 = 0$ |
|-----------------|-------------|

20.  $35 + 88 = 123$

|                 |              |
|-----------------|--------------|
| $30 + 80 = 110$ | $5 + 8 = 13$ |
|-----------------|--------------|