

# Adding 3- and 2-Digit Numbers with Regrouping

1)

|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
|----|---|---|---|--|----|---|---|---|--|----|---|---|---|--|----|---|---|---|
| a) |   |   |   |  | b) |   |   |   |  | c) |   |   |   |  | d) |   |   |   |
|    | 5 | 5 | 4 |  |    | 2 | 7 | 7 |  |    | 6 | 0 | 5 |  |    | 3 | 6 | 6 |
| +  |   | 2 | 8 |  | +  |   | 1 | 8 |  | +  |   | 7 | 5 |  | +  |   | 2 | 9 |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
| e) |   |   |   |  | f) |   |   |   |  | g) |   |   |   |  | h) |   |   |   |
|    | 1 | 3 | 8 |  |    | 8 | 1 | 3 |  |    | 5 | 4 | 9 |  |    | 2 | 8 | 2 |
| +  |   | 5 | 3 |  | +  |   | 7 | 9 |  | +  |   | 6 | 2 |  | +  |   | 4 | 6 |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
| i) |   |   |   |  | j) |   |   |   |  | k) |   |   |   |  | l) |   |   |   |
|    | 5 | 6 | 7 |  |    | 6 | 2 | 1 |  |    | 6 | 5 | 8 |  |    | 3 | 3 | 3 |
| +  |   | 3 | 3 |  | +  |   | 8 | 9 |  | +  |   | 2 | 4 |  | +  |   | 8 | 8 |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
| m) |   |   |   |  | n) |   |   |   |  | o) |   |   |   |  | p) |   |   |   |
|    | 4 | 7 | 6 |  |    | 1 | 9 | 3 |  |    | 3 | 5 | 6 |  |    | 8 | 6 | 7 |
| +  |   | 1 | 7 |  | +  |   | 7 | 0 |  | +  |   | 6 | 4 |  | +  |   | 5 | 6 |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |
|    |   |   |   |  |    |   |   |   |  |    |   |   |   |  |    |   |   |   |



Work out the answers to these reasoning questions.

2)

- a) A primary school has 435 pupils. A secondary school has 78 more pupils than the primary school. How many children go to the secondary school?



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

There are \_\_\_\_\_ pupils in the secondary school.

- b) Spot the mistake and write the correct answer.

|   |   |   |   |  |  |  |  |  |  |  |
|---|---|---|---|--|--|--|--|--|--|--|
|   | 6 | 5 | 8 |  |  |  |  |  |  |  |
| + |   | 6 | 6 |  |  |  |  |  |  |  |
|   | 7 | 1 | 4 |  |  |  |  |  |  |  |
|   | 1 |   |   |  |  |  |  |  |  |  |

Explain your answer.

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- c) Choose one of the calculations you have completed on the first sheet. Make up your own worded maths problem to match it.

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# Adding 3- and 2-Digit Numbers with Regrouping **Answers**

1)

|    |          |          |          |  |    |          |          |          |  |    |          |          |          |  |    |          |          |          |
|----|----------|----------|----------|--|----|----------|----------|----------|--|----|----------|----------|----------|--|----|----------|----------|----------|
| a) |          |          |          |  | b) |          |          |          |  | c) |          |          |          |  | d) |          |          |          |
|    | 5        | 5        | 4        |  |    | 2        | 7        | 7        |  |    | 6        | 0        | 5        |  |    | 3        | 6        | 6        |
| +  |          | 2        | 8        |  | +  |          | 1        | 8        |  | +  |          | 7        | 5        |  | +  |          | 2        | 9        |
|    | <b>5</b> | <b>8</b> | <b>2</b> |  |    | <b>2</b> | <b>9</b> | <b>5</b> |  |    | <b>6</b> | <b>8</b> | <b>0</b> |  |    | <b>3</b> | <b>9</b> | <b>5</b> |
|    |          | 1        |          |  |    |          | 1        |          |  |    |          | 1        |          |  |    |          | 1        |          |
| e) |          |          |          |  | f) |          |          |          |  | g) |          |          |          |  | h) |          |          |          |
|    | 1        | 3        | 8        |  |    | 8        | 1        | 3        |  |    | 5        | 4        | 9        |  |    | 2        | 8        | 2        |
| +  |          | 5        | 3        |  | +  |          | 7        | 9        |  | +  |          | 6        | 2        |  | +  |          | 4        | 6        |
|    | <b>1</b> | <b>9</b> | <b>1</b> |  |    | <b>8</b> | <b>9</b> | <b>2</b> |  |    | <b>6</b> | <b>1</b> | <b>1</b> |  |    | <b>3</b> | <b>2</b> | <b>8</b> |
|    |          | 1        |          |  |    |          | 1        |          |  |    | 1        | 1        |          |  |    | 1        |          |          |
| i) |          |          |          |  | j) |          |          |          |  | k) |          |          |          |  | l) |          |          |          |
|    | 5        | 6        | 7        |  |    | 6        | 2        | 1        |  |    | 6        | 5        | 8        |  |    | 3        | 3        | 3        |
| +  |          | 3        | 3        |  | +  |          | 8        | 9        |  | +  |          | 2        | 4        |  | +  |          | 8        | 8        |
|    | <b>6</b> | <b>0</b> | <b>0</b> |  |    | <b>7</b> | <b>1</b> | <b>0</b> |  |    | <b>6</b> | <b>8</b> | <b>2</b> |  |    | <b>4</b> | <b>2</b> | <b>1</b> |
|    | 1        | 1        |          |  |    | 1        | 1        |          |  |    |          | 1        |          |  |    | 1        | 1        |          |
| m) |          |          |          |  | n) |          |          |          |  | o) |          |          |          |  | p) |          |          |          |
|    | 4        | 7        | 6        |  |    | 1        | 9        | 3        |  |    | 3        | 5        | 6        |  |    | 8        | 6        | 7        |
| +  |          | 1        | 7        |  | +  |          | 7        | 0        |  | +  |          | 6        | 4        |  | +  |          | 5        | 6        |
|    | <b>4</b> | <b>9</b> | <b>3</b> |  |    | <b>2</b> | <b>6</b> | <b>3</b> |  |    | <b>4</b> | <b>2</b> | <b>0</b> |  |    | <b>9</b> | <b>2</b> | <b>3</b> |
|    |          | 1        |          |  |    | 1        |          |          |  |    | 1        | 1        |          |  |    | 1        | 1        |          |



Work out the answers to these reasoning questions.

2)

- a) A primary school has 435 pupils. A secondary school has 78 more pupils than the primary school. How many children go to the secondary school?



|  |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |   | 4 | 3 | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | + |   | 7 | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |   | 5 | 1 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |   | 1 | 1 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

There are 513 pupils in the secondary school.

- b) Spot the mistake and write the correct answer.

|   |   |   |   |  |  |   |   |   |   |  |
|---|---|---|---|--|--|---|---|---|---|--|
|   | 6 | 5 | 8 |  |  |   | 6 | 5 | 8 |  |
| + |   | 6 | 6 |  |  | + |   | 6 | 6 |  |
|   | 7 | 1 | 4 |  |  |   | 7 | 2 | 4 |  |
|   | 1 |   |   |  |  |   | 1 | 1 |   |  |

Explain your answer.

**The correct answer is 724 rather than 714. In the tens column, there should have been a regrouped ten.**

- c) Choose one of the calculations you have completed on the first sheet. Make up your own worded maths problem to match it.

**Children's own answers linked to their chosen calculation.**

