

# Varied Fluency

## Step 1: Add More Than 4-Digits

### National Curriculum Objectives:

Mathematics Year 5: (5C2) [Add and subtract whole numbers with more than 4 digits, including using formal written methods \(columnar addition and subtraction\)](#)

### Differentiation:

**Developing** Questions to support adding 4 and 5-digit numbers. Includes some exchanging with no use of zero as a place holder. Visual representations such as, place value charts and bar models are used.

**Expected** Questions to support adding 4 and 5-digit numbers. Includes exchanging with some use of zero as a place holder. Uses mostly column format with some linear presentation.

**Greater Depth** Questions to support adding up to three 4 and 5-digit numbers. Includes exchanging with the use of zero as a place holder. Uses mostly linear presentation with some column format. Also includes some examples of unconventional partitioning.

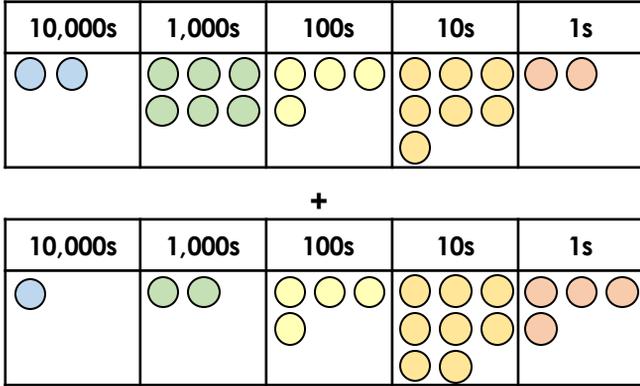
More [Year 5 Addition and Subtraction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Add More Than 4-Digits

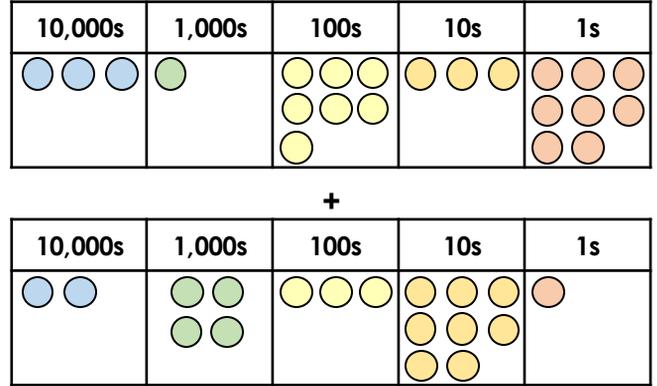
# Add More Than 4-Digits

1a. Use the place value counters to add the numbers below.



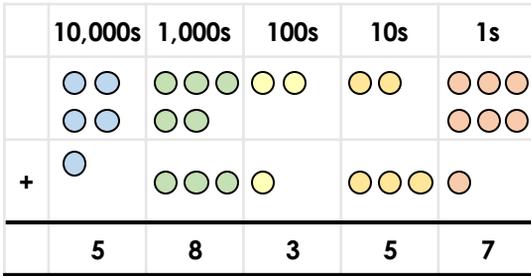
VF

1b. Use the place value counters to add the numbers below.



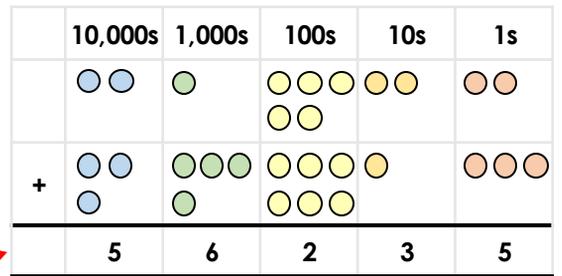
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2a. True or false?



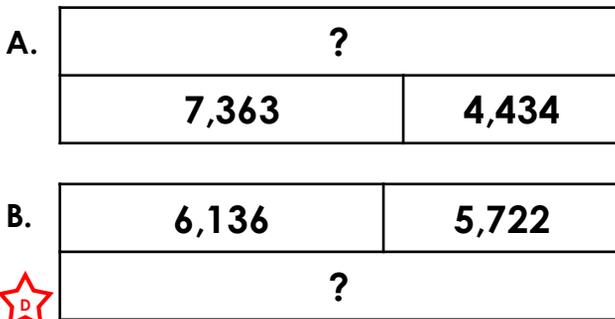
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2b. True or false?



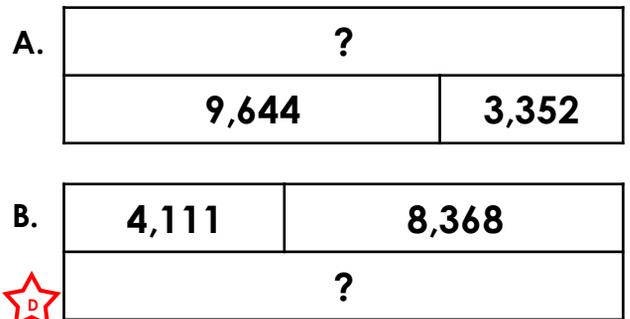
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3a. Complete the bar models below.



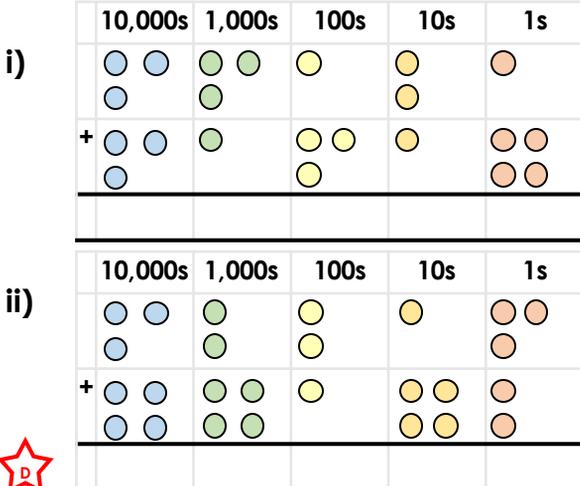
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3b. Complete the bar models below.



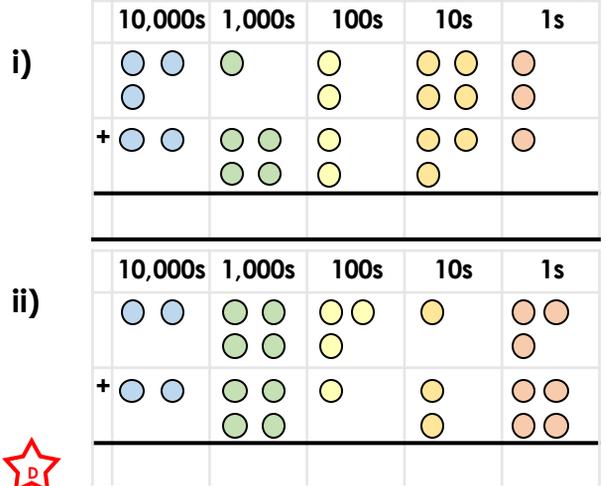
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4a. Solve the addition calculations below.



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4b. Solve the addition calculations below.

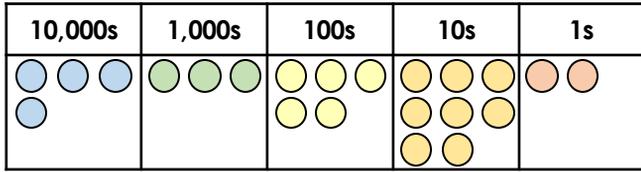


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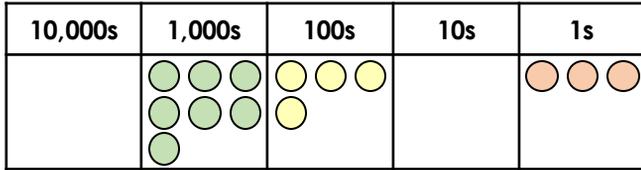
# Add More Than 4-Digits

# Add More Than 4-Digits

5a. Use the place value counters to add the numbers below.

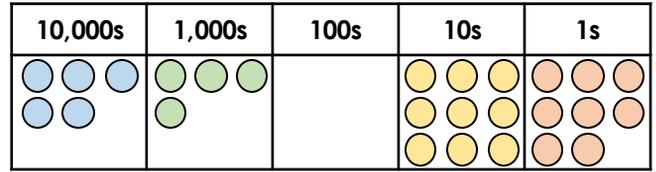


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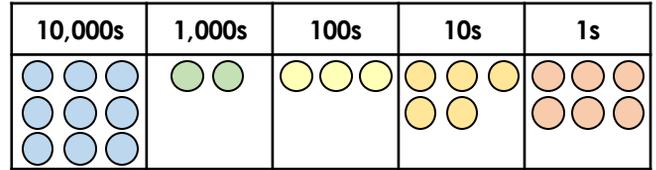


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5b. Use the place value counters to add the numbers below.



+



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6a. True or false?

|       |   |   |   |   |   |
|-------|---|---|---|---|---|
|       | 6 | 5 | 2 | 1 | 8 |
|       |   | 2 | 7 | 0 | 3 |
| +     | 3 | 0 | 1 | 9 | 2 |
| <hr/> |   |   |   |   |   |
|       | 8 | 8 | 1 | 1 | 3 |
| <hr/> |   |   |   |   |   |
|       |   | 1 | 1 | 1 |   |



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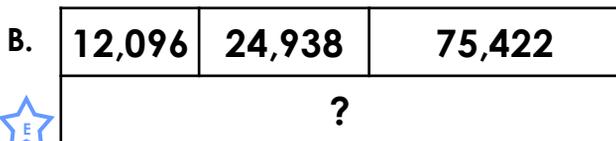
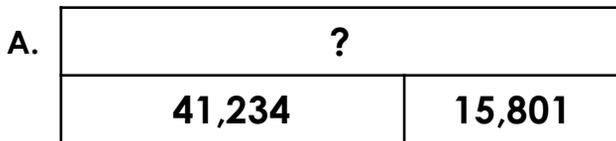
6b. True or false?

|       |   |   |   |   |   |
|-------|---|---|---|---|---|
|       |   | 3 | 7 | 4 | 9 |
|       | 5 | 1 | 5 | 7 | 7 |
| +     | 2 | 7 | 3 | 0 | 3 |
| <hr/> |   |   |   |   |   |
|       | 8 | 2 | 6 | 2 | 9 |
| <hr/> |   |   |   |   |   |
|       | 1 | 1 | 1 | 1 |   |



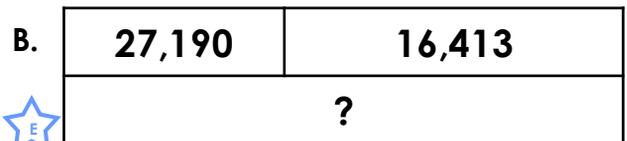
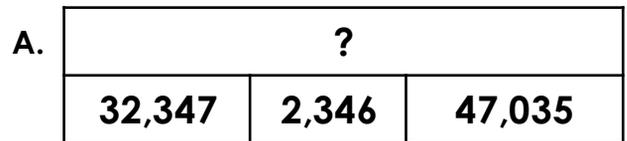
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7a. Complete the bar models below.



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7b. Complete the bar models below.



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8a. Solve the addition calculations below.

i)  $44,058 + 13,239 =$  \_\_\_\_\_

ii)

|       |   |   |   |   |   |
|-------|---|---|---|---|---|
|       | 5 | 9 | 0 | 6 | 1 |
|       |   | 4 | 5 | 5 | 3 |
| +     |   | 3 | 9 | 8 | 7 |
| <hr/> |   |   |   |   |   |
|       |   |   |   |   |   |
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|       |   |   |   |   |   |



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8b. Solve the addition calculations below.

i)  $83,291 + 1,290 + 11,821 =$  \_\_\_\_\_

ii)

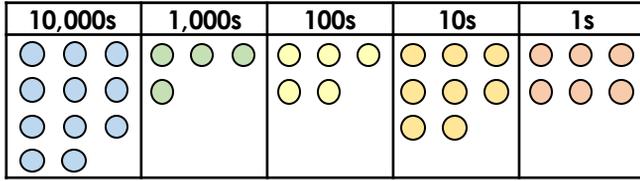
|       |   |   |   |   |   |
|-------|---|---|---|---|---|
|       | 2 | 9 | 1 | 6 | 8 |
| +     | 1 | 3 | 7 | 0 | 4 |
| <hr/> |   |   |   |   |   |
|       |   |   |   |   |   |
| <hr/> |   |   |   |   |   |
|       |   |   |   |   |   |



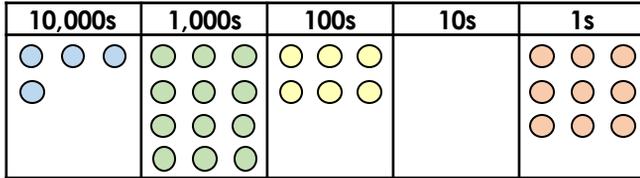
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## Add More Than 4-Digits

9a. Use the place value counters to add the numbers below.



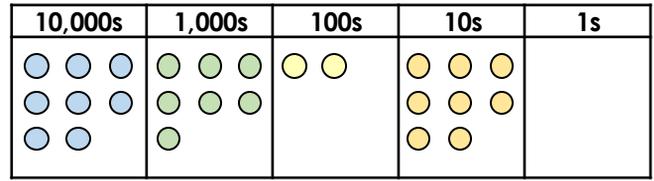
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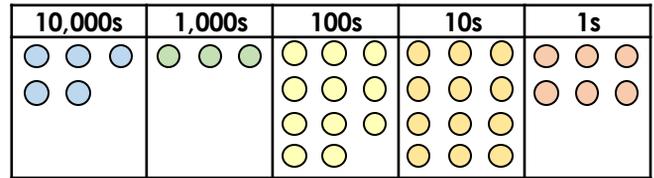
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## Add More Than 4-Digits

9b. Use the place value counters to add the numbers below.



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10a. True or false?

$$59,276 + 8,095 + 67,488 = 136,859$$



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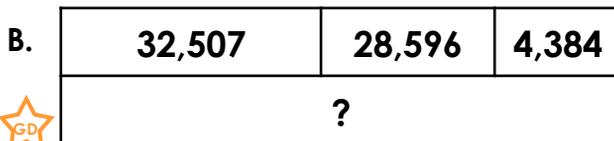
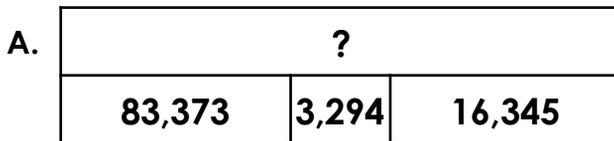
10b. True or false?

$$7,738 + 90,843 + 54,137 = 152,918$$



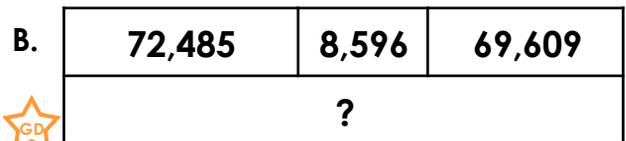
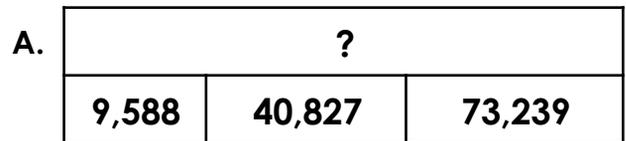
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11a. Complete the bar models below.



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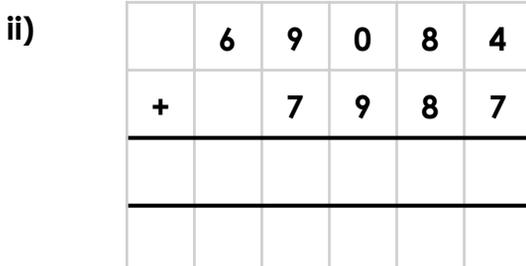
11b. Complete the bar models below.



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12a. Solve the addition calculations below.

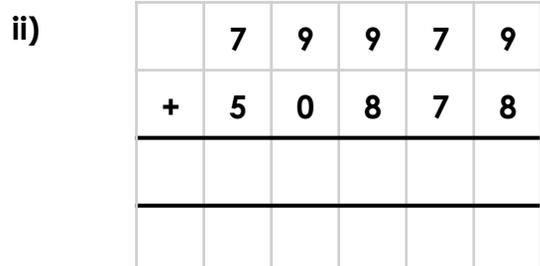
i)  $8,008 + 41,299 =$  \_\_\_\_\_



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12b. Solve the addition calculations below.

i)  $36,783 + 4,035 + 16,808 =$  \_\_\_\_\_



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**Varied Fluency**  
**Add More Than 4-Digits**

**Developing**

1a.  $26,472 + 12,484 = 38,956$

2a. True

3a. A = 11,797 B = 11,858

4a. i) 64,435 ii) 76,355

**Expected**

5a.  $43,582 + 7,403 = 50,985$

6a. False as  $65,218 + 2,703 + 30,192 = 98,113$ .

7a. A = 57,035 B = 112,456

8a. i) 57,297 ii) 67,601

**Greater Depth**

9a.  $114,586 + 52,609 = 167,195$

10a. False as  $59,276 + 8,095 + 67,488 = 134,859$ .

11a. A = 103,012 B = 65,487

12a. i) 49,307 ii) 77,071

**Varied Fluency**  
**Add More Than 4-Digits**

**Developing**

1b.  $31,738 + 24,381 = 56,119$

2b. False as  $21,522 + 34,613 = 56,135$ .

3b. A = 12,996 B = 12,479

4b. i) 55,473 ii) 48,437

**Expected**

5b.  $54,098 + 92,356 = 146,454$

6b. True

7b. A = 81,728 B = 43,603

8b. i) 96,402 ii) 42,872

**Greater Depth**

9b.  $87,280 + 54,226 = 141,506$

10b. False as  $7,738 + 90,843 + 54,137 = 152,718$ .

11b. A = 123,654 B = 150,690

12b. i) 57,626 ii) 130,857