

Varied Fluency

Step 9: Estimate Answers

National Curriculum Objectives:

Mathematics Year 4: (4C2) [Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate](#)

Mathematics Year 4: (4C3) [Estimate and use inverse operations to check answers to a calculation](#)

Differentiation:

Developing Questions to support estimating using rounding to the nearest 10 or 100. Includes numbers up to 1,000. Pictorial support for each question.

Expected Questions to support estimating using rounding to the nearest 10, 100 or 1,000. Includes numbers up to 10,000. No pictorial support.

Greater Depth Questions to support estimating using rounding to the nearest 10, 100 or 1,000. Includes numbers up to 10,000 and some unconventional partitioning. No pictorial support and using a mixture of numerals and words.

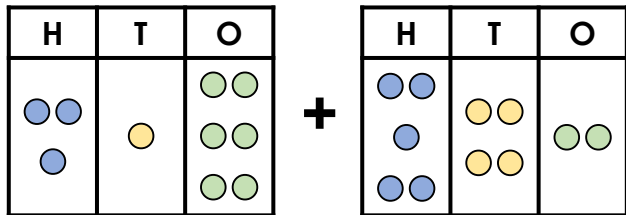
More [Year 4 Addition and Subtraction](#) resources.

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

Estimate Answers

1a. True or false?

The calculation below has an approximate answer of 860 if both numbers are rounded to the nearest ten.

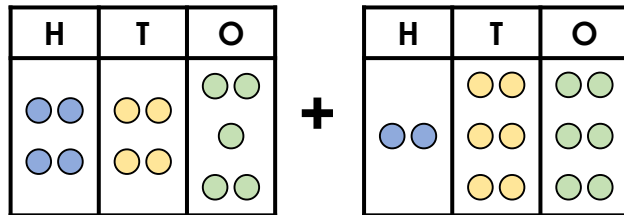


VF

Estimate Answers

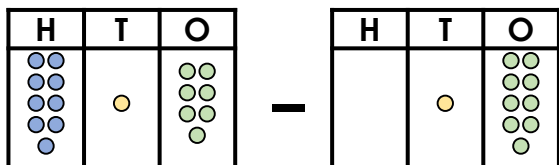
1b. True or false?

The calculation below has an approximate answer of 620 if both numbers are rounded to the nearest ten.



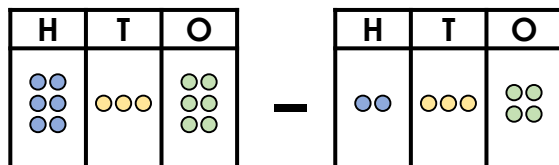
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2a. Estimate the answer to the calculation below.



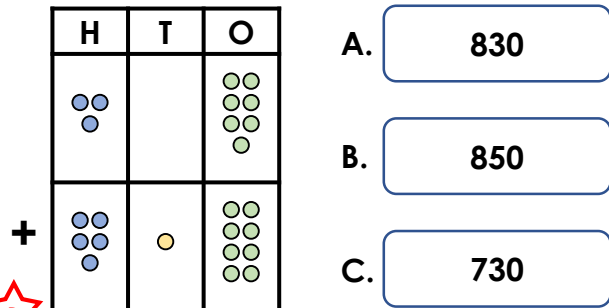
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2b. Estimate the answer to the calculation below.



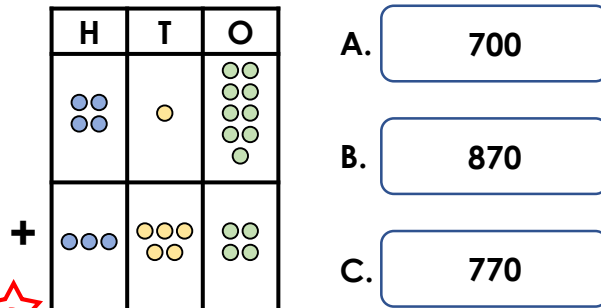
VF

3a. Tick the best estimate for $307 + 518$.



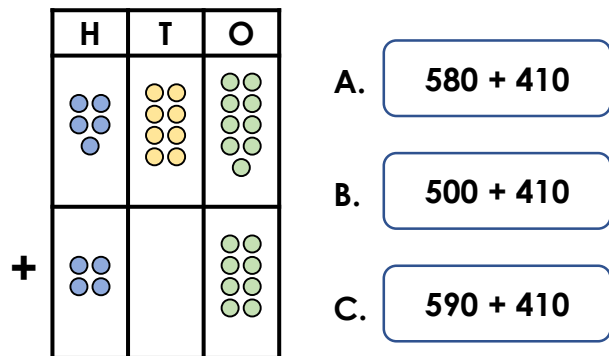
VF

3b. Tick the best estimate for $419 + 354$.



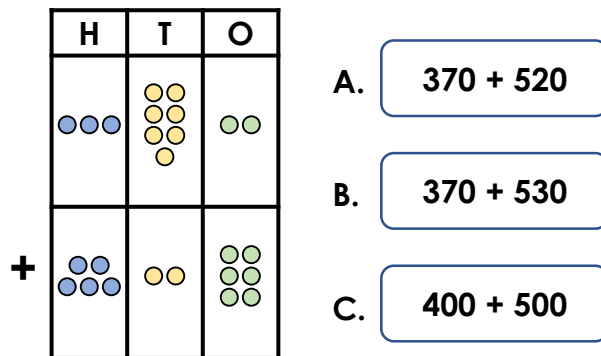
VF

4a. Tick the calculation which is the best estimate for $589 + 408$.



VF

4b. Tick the calculation which is the best estimate for $372 + 526$.



VF

Estimate Answers

5a. True or false?

The calculation below has an approximate answer of 1,840 if both numbers are rounded to the nearest ten.

$$1,456 + 372$$



VF

Estimate Answers

5b. True or false?

The calculation below has an approximate answer of 6,300 if both numbers are rounded to the nearest 100.

$$3,806 + 2,491$$



VF

6a. Estimate the answer to the calculation below.

$$3,479 - 2,304$$



VF

6b. Estimate the answer to the calculation below.

$$5,986 - 3,213$$



VF

7a. Tick the best estimate for $5,241 + 3,496$.

A. **8,000**

B. **8,800** C. **8,700**



VF

7b. Tick the best estimate for $3,749 + 4,282$.

A. **7,000**

B. **8,000** C. **9,000**



VF

8a. Tick the calculation which is the best estimate for $3,456 + 6,445$.

A. **2,500 + 6,400**

B. **3,000 + 7,000**

C. **3,500 + 6,400**



VF

8b. Tick the calculation which is the best estimate for $2,589 + 4,825$.

A. **2,600 + 4,900**

B. **2,600 + 4,800**

C. **2,500 + 4,900**



VF

Estimate Answers

9a. True or false?

The calculation below has an approximate answer of 1,500 if both numbers are rounded to the nearest hundred.

three thousand, four hundred and twenty-seven minus one thousand, nine hundred and four



VF

Estimate Answers

9b. True or false?

The calculation below has an approximate answer of 6,000 if both numbers are rounded to the nearest hundred.

three thousand, nine hundred and twenty-four add two thousand and sixty-three



VF

10a. Estimate the answer to the calculation below.

eight thousand, five hundred and seventeen – four thousand, three hundred and twenty-three



VF

10b. Estimate the answer to the calculation below.

nine thousand, four hundred and twenty-five – four thousand, eight hundred and seventy-nine



VF

11a. How have the numbers been rounded in the calculation below to estimate the answer?

$$8,725 - 2,462$$

Estimate: Six thousand, two hundred and seventy



VF

11b. How have the numbers been rounded in the calculation below to estimate the answer?

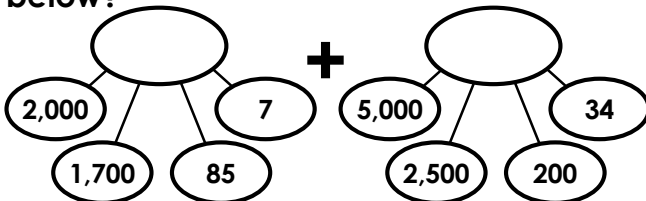
$$1,397 + 6,890$$

Estimate: Eight thousand, three hundred



VF

12a. Which calculation is the best estimate for the partitioned calculation below?



A. $3,000 + 7,000$

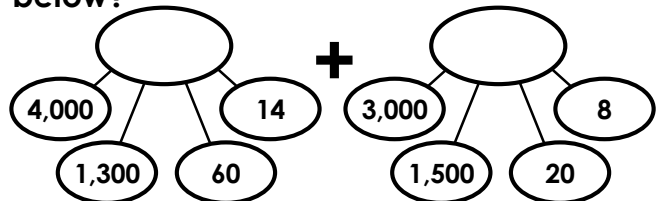
B. $4,000 + 8,000$

C. $3,500 + 8,000$



VF

12b. Which calculation is the best estimate for the partitioned calculation below?



A. $5,000 + 4,000$

B. $5,400 + 4,500$

C. $6,000 + 4,000$



VF

Varied Fluency Estimate Answers

Developing

- 1a. True
- 2a. $900 = 920 - 20$
- 3a. A
- 4a. C

Expected

- 5a. False, the rounded sum equals 1,830
- 6a. 1,000 when rounded to the nearest 1,000; 1,200 when rounded to the nearest 100; 1,180 when rounded to the nearest 10
- 7a. C
- 8a. C

Greater Depth

- 9a. True
- 10a. 5,000 when rounded to the nearest 1,000; 4,200 when rounded to the nearest 10 or 100
- 11a. To the nearest 10
- 12a. B

Varied Fluency Estimate Answers

Developing

- 1b. False, the rounded sum equals 720
- 2b. $410 = 640 - 230$
- 3b. C
- 4b. B

Expected

- 5b. True
- 6b. 3,000 when rounded to the nearest 1,000; 2,800 when rounded to the nearest 100; 2,780 when rounded to the nearest 10
- 7b. B
- 8b. B

Greater Depth

- 9b. True
- 10b. 4,000 when rounded to the nearest 1,000; 4,500 when rounded to the nearest 100; 4,550 when rounded to the nearest 10
- 11b. To the nearest 100
- 12b. B