

Fluency & Reasoning Teaching Slides

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### **Estimate Answers**

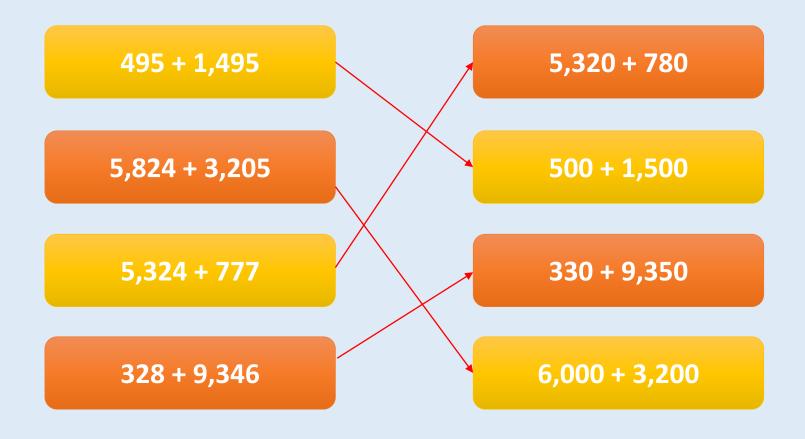
Match the calculations with a good estimate for the number sentence.

$$330 + 9,350$$

$$6,000 + 3,200$$

#### **Estimate Answers**

Match the calculations with a good estimate for the number sentence.



#### **Estimate Answers**

#### Tia is estimating her number sentences.

She rounds her numbers to the nearest thousand, hundred and ten to give different estimates.



Which is the best estimate?

Original calculation

3,537 + 2,423 = 5,962

Nearest thousand

4,000 + 2,000 = 6,000

Nearest hundred

3,500 + 2,400 = 5,900

Nearest ten

3,540 + 2,420 = 5,960

An estimate is supposed to be quick, which is the least effective estimate?

#### **Estimate Answers**

#### Tia is estimating her number sentences.

She rounds her numbers to the nearest thousand, hundred and ten to give different estimates.



Which is the best estimate?

The nearest hundred

Original calculation

3,537 + 2,423 = 5,962

Nearest thousand

4,000 + 2,000 = 6,000

Nearest hundred

3,500 + 2,400 = 5,900

Nearest ten

3,540 + 2,420 = 5,960

An estimate is supposed to be quick, which is the least effective estimate?

The nearest ten

#### **Estimate Answers**

Decide whether to round to the nearest 10, 100 or 1,000 for the following calculations:

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Decide whether to round to the nearest 10, 100 or 1,000 for the following calculations:

#### **Examples**

$$749 + 3,592$$

$$700 + 3,500$$

The quickest and most useful is to round to the hundreds.

#### Reasoning 1

### **Estimate Answers**

The estimated answer to a calculation is 3,500.

The numbers in the calculation were rounded to the nearest 100 to find an estimate.

What could the numbers be in the original calculation?

#### Reasoning 1

#### **Estimate Answers**

The estimated answer to a calculation is 3,500.

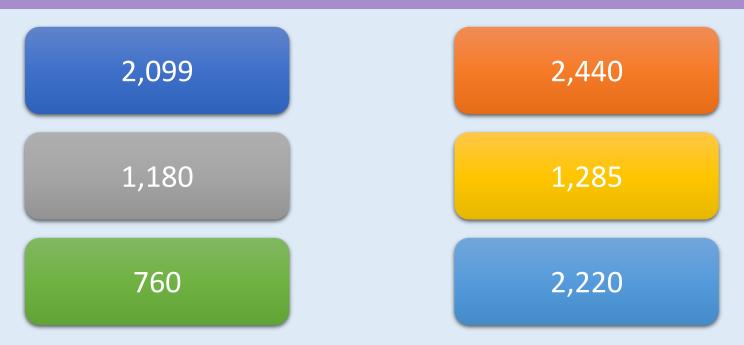
The numbers in the calculation were rounded to the nearest 100 to find an estimate.

What could the numbers be in the original calculation?

Find any pair of numbers that round to the nearest hundred to make 3,500 altogether.

# Reasoning 2 Estimate Answers

Use the number cards and + or – to make three calculations with an estimated answer of 2,400.



Remember to first round to the nearest 100!

# Reasoning 2 Estimate Answers

Use the number cards and + or – to make three calculations with an estimated answer of 3,400.



2,099 + 1,285 can be estimated as 2,100 + 1,300 = 3,400760 + 2,440 can be estimated as 1,000 + 2,400 = 3,4001,180 + 2,220 can be estimated as 1,200 + 2,200 = 3,400