

Estimate Answers

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Activity 1

Estimate Answers

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

$$495 + 1,495$$

$$5,320 + 780$$

$$5,824 + 3,205$$

$$500 + 1,500$$

$$5,324 + 777$$

$$330 + 9,350$$

$$328 + 9,346$$

$$6,000 + 3,200$$

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Activity 2

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?

Activity 2

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

Activity 3

Estimate Answers

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

$$5,239 + 1,349$$

$$749 + 3,592$$

Activity 3

Estimate Answers

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

Examples

$$\begin{array}{l} 5,239 + 1,349 \\ \mathbf{5,200 + 1,300} \end{array}$$

$$\begin{array}{l} 749 + 3,592 \\ \mathbf{700 + 3,500} \end{array}$$

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

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.

e.g.

$$2,343 + 1,189 =$$

$$4,730 - 1,204 =$$

Reasoning 2 Estimate Answers

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

2,099

2,440

1,180

1,285

760

2,220

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 2,100

2,440 2,400

1,180 1,200

1,285 1,300

760 1,000

2,220 2,200

$2,099 + 1,285$ can be estimated as $2,100 + 1,300 = 3,400$

$760 + 2,440$ can be estimated as $1,000 + 2,400 = 3,400$

$1,180 + 2,220$ can be estimated as $1,200 + 2,200 = 3,400$