

Math Tool Match

Choose a smart strategy for each problem.

GRADE 4 • TEKS 4.1.C

4.1.C "select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems;"

NAME _____

DATE _____

PICK THE RIGHT TOOL

First decide whether you need an exact answer or an estimate. Use mental math when numbers are easy to break apart, paper and pencil for longer calculations, and rounding when an estimate is enough.

WORKED EXAMPLE

Find $298 + 406$ exactly. Choose an efficient method.

1. Break 406 into $400 + 6$.
2. Add $298 + 400 = 698$.
3. Add $698 + 6 = 704$.

Answer: 704

PRACTICE 6 problems

- 1** Find $47 + 26$ exactly. Choose mental math or paper and pencil. Write the sum and name your method.

ANSWER _____

- 2** Find $804 - 367$ exactly. Choose a method. Write the difference and name your method.

ANSWER _____

- 3** Estimate $671 + 218$ by rounding each addend to the nearest hundred.

ANSWER _____

- 4** Find 7×36 exactly. You may break apart 36 or use paper and pencil. Write the product and name your method.

ANSWER _____

- 5** Find $168 \div 4$ exactly. Choose a strategy. Write the quotient and name your method.

ANSWER _____

- 6** One box has 492 stickers. Another box has 183 stickers. About how many stickers are there altogether? Round each number to the nearest hundred.

ANSWER _____

APPLY IT Show your work

- 1** A game club earns 125 tickets each day for 4 days. The club also earns 38 bonus tickets. How many tickets does the club earn altogether? Choose a method and show your work.

WORK SPACE

ANSWER _____

- 2** The school library has 764 new bookmarks. Students take 289 bookmarks. How many bookmarks are left? Choose a method and show your work.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A snack stand puts 47 crackers in each of 8 boxes. Then 59 crackers are eaten. How many crackers are left? Choose an efficient method and explain your reasoning.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Find $47 + 26$ exactly. Choose mental math or paper and pencil. Write the sum and name your method.	73; mental math or paper and pencil
2	Find $804 - 367$ exactly. Choose a method. Write the difference and name your method.	437; paper and pencil is an efficient method
3	Estimate $671 + 218$ by rounding each addend to the nearest hundred.	900
4	Find 7×36 exactly. You may break apart 36 or use paper and pencil. Write the product and name your method.	252; break apart or paper and pencil
5	Find $168 \div 4$ exactly. Choose a strategy. Write the quotient and name your method.	42; multiplication facts or paper and pencil
6	One box has 492 stickers. Another box has 183 stickers. About how many stickers are there altogether? Round each number to the nearest hundred.	700 stickers

PART 2 • APPLY IT

- 538 tickets** Multiply $125 \times 4 = 500$. Then add 38 to get 538 tickets.
- 475 bookmarks** Use subtraction: $764 - 289 = 475$. Paper and pencil is an efficient choice for this exact answer.

CHALLENGE

317 crackers. I multiplied $8 \times 47 = 376$, then subtracted 59.

Accept any correct method choice when the student gives the correct result. For estimates, accept only answers based on the requested rounding.