LESSON MAKER PRO

Totals That Change

Add, subtract, and check if your answers make sense.

GRADE 3 · 3.N.2.5

3.N.2.5 "Use addition and subtraction to solve problems involving whole numbers. Use various strategies, including the relationship between addition and subtraction and the context of the problem to assess the reasonableness of results."

NAME _____ DATE _____

TRACK THE CHANGE

Add when an amount grows and subtract when it shrinks. Check your answer with the opposite operation, or ask whether the amount should be greater or less than it was before.

WORKED EXAMPLE

A club packs 286 blue beads and 137 red beads. How many beads does the club pack?

1. 286 + 100 = 386
2. 386 + 30 = 416
3. 416 + 7 = 423
4. Check: 423 - 137 = 286

Answer: 423 beads

PRACTICE 6 problems

1 Find the sum: 248 + 135 = ___

ANSWER _____

2 Find the difference: 704 - 268 = ___

ANSWER _____

3 Find the missing number: ___ + 179 = 512

ANSWER _____

4 Find the sum: 365 + 227 = ___

ANSWER _____

5 Find the difference: 900 - 457 = ___

ANSWER _____

6 A student says 618 - 294 = 524. Is the student correct? Find the correct difference.

ANSWER _____

APPLY IT Show your work

1 Your class has 358 stickers for a school fair. Students give away 176 stickers, then bring 94 more. How many stickers does your class have now?

WORK SPACE

ANSWER _____

2 Your team earns 259 points in the first round of a game and 308 points in the second round. Your goal is 700 points. How many more points does your team need?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At a book swap, 624 books are on the shelves. Students borrow 258 books, then return 179 books. A sign says there are now 745 books on the shelves. Is the sign correct? Find the correct number and explain how you know the sign cannot be right.

WORK SPACE AND ANSWER

ANSWER KEY

Totals That Change

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find the sum: 248 + 135 = ___	**383**
2	Find the difference: 704 - 268 = ___	**436**
3	Find the missing number: ___ + 179 = 512	**333**
4	Find the sum: 365 + 227 = ___	**592**
5	Find the difference: 900 - 457 = ___	**443**
6	A student says 618 - 294 = 524. Is the student correct? Find the correct difference.	**No. The correct difference is 324.**

PART 2 · APPLY IT

1. **276 stickers** Subtract the stickers given away: 358 - 176 = 182. Then add the new stickers: 182 + 94 = 276.
2. **133 points** The team has 259 + 308 = 567 points. It needs 700 - 567 = 133 more points.

CHALLENGE

No. There are 624 - 258 + 179 = 545 books. More books were borrowed than returned, so the number must be less than 624, not 745.

Accept any correct addition or subtraction strategy. For the challenge, accept an explanation that compares the books borrowed and returned or uses the calculated total to disprove the sign.