LESSON MAKER PRO

First Things First

Solve two-step problems and check your answers.

GRADE 3 · 3.OA.8b

3.OA.8b "Solve two-step word problems (limited to the whole number system) using the four basic operations. Students should apply the Order of Operations when there are no parentheses to specify a particular order..."

NAME _____ DATE _____

WHICH STEP COMES FIRST?

When there are no parentheses, multiply or divide before you add or subtract. In a word problem, you can round a number to estimate and check if your answer makes sense.

WORKED EXAMPLE

Find 5 + 6 × 7.

1. Multiply first: 6 × 7 = 42.
2. Then add: 5 + 42 = 47.

Answer: 47

PRACTICE 6 problems

1 Find 18 + 4 × 3.

ANSWER _____

2 Find 36 - 24 / 3.

ANSWER _____

3 Find 2 × 9 + 13.

ANSWER _____

4 Find 28 / 4 + 15.

ANSWER _____

5 Find 40 - 3 × 8.

ANSWER _____

6 Find 12 + 48 / 8. Tell which operation you did first.

ANSWER _____

APPLY IT Show your work

1 Mia has 4 packs of 9 trading cards. She gets 12 more cards. How many cards does she have now? Round 9 and 12 to the nearest ten to check your answer.

WORK SPACE

ANSWER _____

2 At a craft club, 48 stickers are shared equally among 4 friends. Each friend then gets 19 more stickers. How many stickers does each friend have? Round 19 to the nearest ten to check your answer.

WORK SPACE

ANSWER _____

CHALLENGE One step up

At an arcade, 8 friends each win 9 tickets. Together, they spend 18 tickets. Nia says they have 54 tickets left. Omar says they have 36 tickets left. Who is right? Write an expression without parentheses, then round to check your answer.

WORK SPACE AND ANSWER

ANSWER KEY

First Things First

GRADE 3 · 3.OA.8b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 18 + 4 × 3.	**30**
2	Find 36 - 24 / 3.	**28**
3	Find 2 × 9 + 13.	**31**
4	Find 28 / 4 + 15.	**22**
5	Find 40 - 3 × 8.	**16**
6	Find 12 + 48 / 8. Tell which operation you did first.	**18; divide 48 by 8 first.**

PART 2 · APPLY IT

1. **48 cards; the estimate is 50 cards.** 4 × 9 + 12 = 48. Rounding gives 4 × 10 + 10 = 50, which is close to 48.
2. **31 stickers; the estimate is 32 stickers.** 48 / 4 + 19 = 31. Rounding 19 to 20 gives 12 + 20 = 32, which is close to 31.

CHALLENGE

Nia is right. 8 × 9 - 18 = 54 tickets. Using 10 for 9 and 20 for 18 gives an estimate of 8 × 10 - 20 = 60, which is close to 54.

Accept other reasonable estimates that support the exact answers. In each expression, students should multiply or divide before adding or subtracting.