LESSON MAKER PRO

Facts That Fit

Use addition to help you subtract.

GRADE 2 · 2.N.2.1

2.N.2.1 "Use the relationship between addition and subtraction to generate basic facts with sums and minuends of up to 20."

NAME _____ DATE _____

PARTS AND WHOLE

Addition joins two parts to make a whole. Subtraction takes one part from the whole to find the other part. You can use an addition fact to make a related subtraction fact.

WORKED EXAMPLE

There are 4 red beads and 9 blue beads. How many beads are there? Write a related subtraction fact.

1. Add the two parts: 4 + 9 = 13.
2. Take away one part: 13 - 4 = 9.

Answer: 13 beads; 13 - 4 = 9

PRACTICE 5 problems

1 There are 2 toy cars and 5 toy trucks. Use 2 + 5 = 7 to fill in the blank: 7 - 2 = ___.

ANSWER _____

2 There are 11 grapes on a plate. A child eats 3, leaving 8. Use 11 - 3 = 8 to fill in the blank: 3 + ___ = 11.

ANSWER _____

3 A box has 10 blue blocks and 6 red blocks. Use 10 + 6 = 16 to fill in the blank: 16 - 10 = ___.

ANSWER _____

4 A sheet has 17 stickers. You use 12, leaving 5. Use 17 - 12 = 5 to fill in the blank: 12 + ___ = 17.

ANSWER _____

5 A box has 7 red crayons and 11 blue crayons. Use 7 + 11 = 18 to write both related subtraction facts.

ANSWER _____

APPLY IT Show your work

1 At recess, 20 kids are playing. Eight play tag. The rest jump rope. How many kids jump rope? Write a related addition fact.

WORK SPACE

ANSWER _____

2 A class has 3 paper planes. The kids make more and now have 15. How many more planes did they make? Write a subtraction fact that helps.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A shelf has 7 picture books and 8 storybooks. Sam writes 15 - 7 = 8 and 15 - 8 = 7. Explain in one sentence why both facts are true.

WORK SPACE AND ANSWER

ANSWER KEY

Facts That Fit

GRADE 2 · 2.N.2.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	There are 2 toy cars and 5 toy trucks. Use 2 + 5 = 7 to fill in the blank: 7 - 2 = ___.	**5**
2	There are 11 grapes on a plate. A child eats 3, leaving 8. Use 11 - 3 = 8 to fill in the blank: 3 + ___ = 11.	**8**
3	A box has 10 blue blocks and 6 red blocks. Use 10 + 6 = 16 to fill in the blank: 16 - 10 = ___.	**6**
4	A sheet has 17 stickers. You use 12, leaving 5. Use 17 - 12 = 5 to fill in the blank: 12 + ___ = 17.	**5**
5	A box has 7 red crayons and 11 blue crayons. Use 7 + 11 = 18 to write both related subtraction facts.	**18 - 7 = 11; 18 - 11 = 7**

PART 2 · APPLY IT

1. **12 kids; 8 + 12 = 20** Subtract to find the missing part: 20 - 8 = 12. The related addition fact is 8 + 12 = 20.
2. **12 planes; 15 - 3 = 12** Subtract the first 3 planes from the total: 15 - 3 = 12.

CHALLENGE

Taking away either kind of book from all 15 books leaves the other kind.

For the challenge, accept a one-sentence explanation that shows each subtraction fact leaves the other group of books. For related facts, accept either order of the addends.