LESSON MAKER PRO

Fact Family Fun

Turn addition facts into subtraction facts.

GRADE 2 · 2.CE.1.h

2.CE.1.h "Use inverse relationships to write all related facts connected to a given addition or subtraction fact model within 20 (e.g., given a model for 3 + 4 = 7, write 4 + 3 = 7, 7 – 4 = 3, and 7 – 3 = 4)."

NAME _____ **DATE** _____

THE BIG IDEA

A fact family uses the same three numbers. Switch the addends, then subtract each part from the total.

WORKED EXAMPLE

A bin has 6 red blocks and 8 blue blocks. There are 14 blocks. Write all 4 related facts.

1. Start with 6 + 8 = 14.
2. Switch the addends: 8 + 6 = 14.
3. Subtract each part from 14.
4. Write 14 - 6 = 8 and 14 - 8 = 6.

Answer: 6 + 8 = 14; 8 + 6 = 14; 14 - 6 = 8; 14 - 8 = 6

PRACTICE 4 problems

1 There are 4 yellow ducks and 7 brown ducks. There are 11 ducks. Write all 4 related facts.

ANSWER _____

2 A pet shop has 2 cats and 9 dogs. There are 11 pets. Write all 4 related facts.

ANSWER _____

3 A bowl has 1 apple and 12 oranges. There are 13 fruits. Write all 4 related facts.

ANSWER _____

4 A snack plate has 5 crackers and 10 grapes. There are 15 snacks. Write all 4 related facts.

ANSWER _____

APPLY IT Show your work

1 At recess, 4 children are on swings and 9 children are on slides. There are 13 children. Write all 4 related facts.

WORK SPACE

ANSWER _____

2 Avery has 18 game cards. Seven cards have animals, and 11 cards have robots. Write all 4 related facts.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Sam has 20 buttons. Eleven are red, and the rest are green. Write all 4 related facts. Then tell which number is the whole.

WORK SPACE AND ANSWER

ANSWER KEY

Fact Family Fun

GRADE 2 · 2.CE.1.h

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	There are 4 yellow ducks and 7 brown ducks. There are 11 ducks. Write all 4 related facts.	**4 + 7 = 11; 7 + 4 = 11; 11 - 4 = 7; 11 - 7 = 4**
2	A pet shop has 2 cats and 9 dogs. There are 11 pets. Write all 4 related facts.	**2 + 9 = 11; 9 + 2 = 11; 11 - 2 = 9; 11 - 9 = 2**
3	A bowl has 1 apple and 12 oranges. There are 13 fruits. Write all 4 related facts.	**1 + 12 = 13; 12 + 1 = 13; 13 - 1 = 12; 13 - 12 = 1**
4	A snack plate has 5 crackers and 10 grapes. There are 15 snacks. Write all 4 related facts.	**5 + 10 = 15; 10 + 5 = 15; 15 - 5 = 10; 15 - 10 = 5**

PART 2 · APPLY IT

1. **4 + 9 = 13; 9 + 4 = 13; 13 - 4 = 9; 13 - 9 = 4** Use 4, 9, and 13. Write two addition facts and two subtraction facts.
2. **7 + 11 = 18; 11 + 7 = 18; 18 - 7 = 11; 18 - 11 = 7** Use 7, 11, and 18. The two groups make the total of 18.

CHALLENGE

11 + 9 = 20; 9 + 11 = 20; 20 - 11 = 9; 20 - 9 = 11. The whole is 20.

Accept the four related facts in any order. For the challenge, accept “20” or “20 buttons” as the whole.