

11/6/21

Solving Word Problems

In Focus



Elliott

I ate



Amira

I ate



What questions can you ask?

Think of as many different questions.

Use addition, subtraction, more, less, greater than, less than and so on.

Possible question 1.

- 1 How much pizza did Elliott and Amira eat altogether?



1 fifth $\frac{1}{5}$



3 fifths $\frac{3}{5}$

Possible question 1.

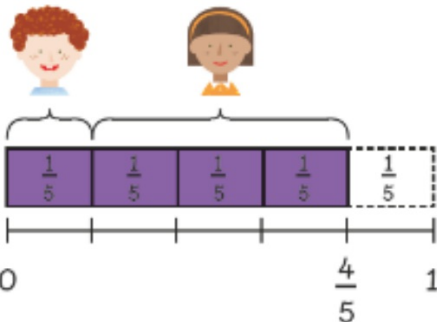
- 1 How much pizza did Elliott and Amira eat altogether?



1 fifth $\frac{1}{5}$



3 fifths $\frac{3}{5}$



1 fifth + 3 fifths
= 4 fifths



Possible question 1.

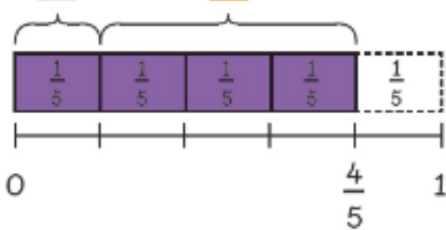
- 1 How much pizza did Elliott and Amira eat altogether?



1 fifth $\frac{1}{5}$



3 fifths $\frac{3}{5}$



1 fifth + 3 fifths
= 4 fifths



$$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$$

They ate $\frac{4}{5}$ of a pizza altogether.

Possible question 2.

2

Who ate more?
How much more?

Possible question 2.

2

Who ate more?
How much more?



Possible question 2.

2

Who ate more?
How much more?



$$\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$$

Possible question 2.

2

Who ate more?
How much more?



$$\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$$

Amira ate more than Elliott.

Amira ate $\frac{2}{5}$ more of the pizza than Elliott ate.

Guided Practice

Solve.



gave me



gave me



How much cake did  and  give me?



and



gave me



of a cake.

Guided Practice

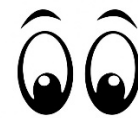
Solve.



How much cake did  and  give me?



Watch my working out.



Watch video clip "Explanation 1"

Solving Word Problems

Solve and fill in the blanks.

- 1 Charles ate $\frac{1}{5}$ of a chicken pie. Ravi ate $\frac{3}{5}$ of the same pie.

What fraction of the pie did the two boys eat?



The boys ate of the pie.

- 2 Holly bought 20 cupcakes. She gave $\frac{1}{4}$ of them to Lulu.

How many cupcakes did Holly give to Lulu?



Holly gave Lulu cupcakes.

Number or fraction
 symbol/operation

Pick a question, decide how to solve it. Solve it in your books and put the questions back.

- 3 Amira ate $\frac{4}{7}$ of a pizza. Ruby ate $\frac{2}{7}$ of the same pizza.

(a) Who ate more pizza? Shade the bars to help you.



ate more pizza.

(b) How much more?



- 4 Lulu bought 18 doughnuts. She gave $\frac{5}{6}$ of them to her sister.

How many doughnuts did Lulu give her sister?



Lulu gave her sister doughnuts.