

29/1/21

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.

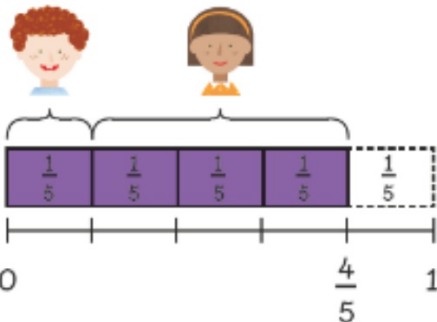
- 1 How much pizza did Elliott and Amira eat altogether?



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



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

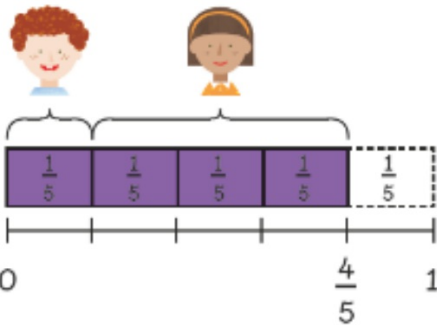


1 fifth + 3 fifths
= 4 fifths



Possible question 1.

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



1 fifth + 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

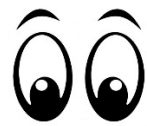
Solve.



How much cake did  and  give me?

 and  gave me of a cake.

Watch video clip "Explanation 1"



Guided Practice

Solve.

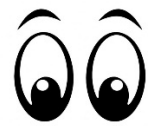


How much cake did  and  give me?



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?



of

Holly gave Lulu cupcakes.

Complete the worksheets.

- 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?

of

Lulu gave her sister doughnuts.

Going Deeper

Challenge! Fancy really working your brain? Have a go at the challenge sheets. You can download these underneath the normal lesson sheets.

Solving Word Problems

Solve and fill in the blanks.

- 1 Elliott bought twice as many marbles as Emma bought.

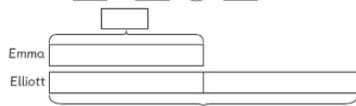
Holly bought $\frac{1}{2}$ as many marbles as Emma bought.

Emma bought 10 marbles. How many marbles did they buy altogether?



Holly

Holly → of ○



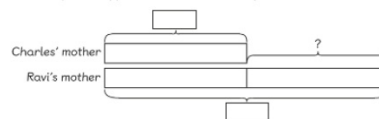
Elliott → ○ ○

Total → ○ ○ ○

They bought marbles altogether.

- 2 Ravi's mother bought 34 apples. Charles' mother bought $\frac{1}{2}$ as many apples as Ravi's mother bought.

How many more apples did Ravi's mother buy?



Difference → of ○

Ravi's mother bought more apples than Charles' mother bought.

- 3 Lulu had $\frac{1}{2}$ as many 20p coins as Amira. Amira had thirty 20p coins.

How many 20p coins did they have altogether?

Lulu → of ○

Total → ○ ○ ○

They had 20p coins altogether.