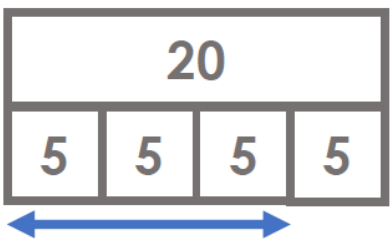
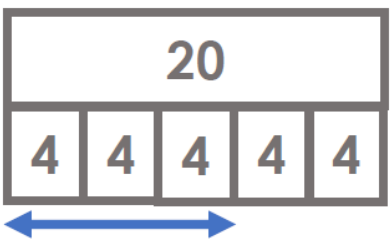
Task A

Which method?

Which bar model represents the question correctly?



$\frac{3}{4}$ of 20



Questions:

$\frac{1}{4}$ of 16 =

$\frac{2}{4}$ of 16 =

$\frac{3}{4}$ of 16 =

$\frac{1}{3}$ of 18 =

$\frac{1}{3}$ of 21 =

$\frac{2}{3}$ of 21 =

Explain

$\frac{1}{5}$ of 15

Nia's method

'5 equal groups, the answer is 3.'

Fern's method

'5 per group, the answer is 5.'

I agree with Nia

I agree with Fern

Explain:

Task B

Explain $\frac{1}{5}$ of 15

Nia's method

'5 equal groups, the answer is 3.'

Fern's method

'5 per group, the answer is 5.'

I agree with Nia **I agree with Fern**

Explain:

Questions:

$\frac{1}{4}$ of $80 =$

$\frac{1}{4}$ of $84 =$

$\frac{3}{4}$ of $84 =$

$\frac{1}{3}$ of $150 =$

$\frac{2}{3}$ of $150 =$

$\frac{2}{3}$ of $180 =$

I know… so…

$\frac{3}{4}$ of $60 = 45$

Extend: Design your own **I know… so…** I know… so… question using fractions of amounts. Show all the related facts that you can think of!

Answers, Task A

Left hand image is correct

$\frac{1}{4}$ of $16 = 4$ $\frac{2}{4}$ of $16 = 8$ $\frac{3}{4}$ of $16 = 12$ $\frac{1}{3}$ of $18 = 6$ $\frac{1}{3}$ of $21 = 7$ $\frac{2}{3}$ of $21 = 14$

The left-hand method is correct.

Answers, Task B

Left hand method is correct

$\frac{1}{4}$ of $80 = 20$ $\frac{1}{4}$ of $84 = 21$ $\frac{3}{4}$ of $84 = 63$ $\frac{1}{3}$ of $150 = 50$ $\frac{2}{3}$ of $150 = 100$ $\frac{2}{3}$ of $180 = 120$

Example responses: $\frac{1}{4}$ of $60 = 15$ $\frac{3}{4}$ of $6 = 4.5$ $\frac{3}{4}$ of $64 = 48$ $\frac{3}{4}$ of $600 = 450$