08.01.21 Fluent in five

1) 900 x 80 =

2) 6,549 x 3 =

3) $\frac{1}{5}$ x 25 =

4) 8^2 x 2 =

5) 650 x 4 =

6) 56,789 - 1,294.76 =

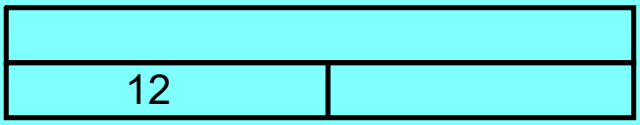
08.01.21

WALT find the whole

Video link - https://vimeo.com/480708847

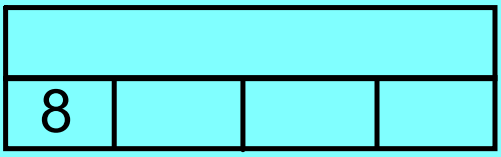
How would we work this out?

$\frac{1}{2}$ of _____ = 12



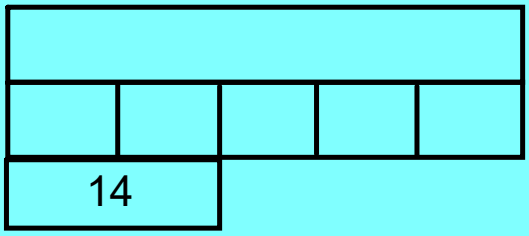
What about this one?

$\frac{1}{4}$ of _____ = 8



What if we have more than one part

$\frac{2}{5}$ of _____ = 14



Try these on whiteboards

$\frac{1}{3}$ of _____ = 10

$\frac{1}{6}$ of _____ = 6

$\frac{2}{5}$ of _____ = 24

$\frac{1}{2}$ of _____ = 10

$\frac{1}{3}$ of _____ = 5

$\frac{2}{3}$ of _____ = 10

Varied Fluency

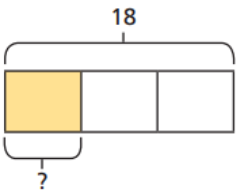
Jack has spent $\frac{2}{3}$ of his money.
He spent £60, how much did he have to start with?

£60

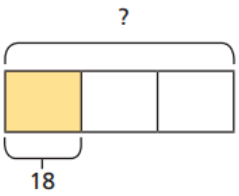
Use a bar model to represent and solve the problems.

- Rosie eats $\frac{2}{5}$ of a packet of biscuits. She eats 10 biscuits. How many biscuits were in the original packet?
- In an election, $\frac{3}{8}$ of a town voted. If 120 people voted, how many people lived in the town?

Complete the calculations.



$\frac{1}{3}$ of 18 = ☐



$\frac{1}{3}$ of ☐ = 18

What is the same about the calculations?

What is different?

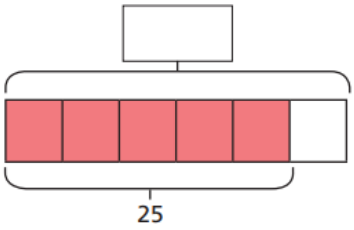
Calculate:

$\frac{1}{4}$ of ___ = 12 $\frac{1}{4}$ of ___ = 36 $\frac{1}{4}$ of ___ = 108

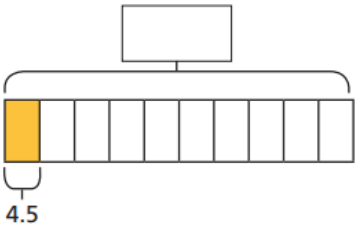
$\frac{1}{12}$ of ___ = 12 $\frac{3}{4}$ of ___ = 36 $\frac{4}{4}$ of ___ = 108

Calculate the missing wholes.

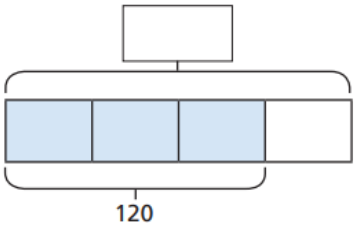
a)



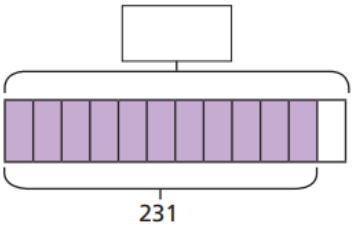
c)



b)



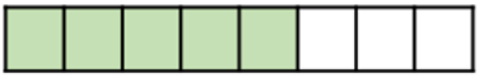
d)



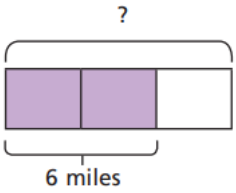
Eva lit a candle while she had a bath.
After her bath, $\frac{2}{5}$ of the candle was left.
It measured 13 cm.
Eva says:

Is she correct?
Explain your reasoning.

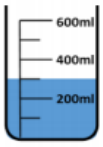
Write a problem which this bar model could represent.

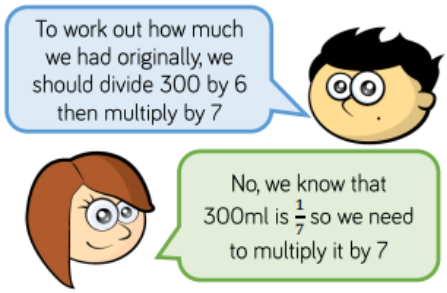


Mr Hall walked $\frac{2}{3}$ of the way from his house to work.
He walked 6 miles.
How far is it in total from his house to work?



Rosie and Jack are making juice.
They use $\frac{6}{7}$ of the water in a jug and are left with this amount of water:





Who is correct?
Explain your reasoning.

Jenny cycled $\frac{4}{5}$ of the way from her house to work.

She cycled 16 miles.

How far is it in total from her house to work?