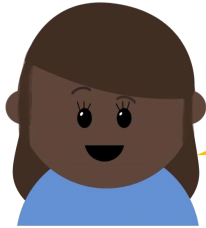




FLUENCY 1



What fact helped me find these related facts?

$3 \times 40 = 120$

$120 \div 40 = 3$

$30 \times 4 = 120$

$120 \div 30 = 4$

FLUENCY 2

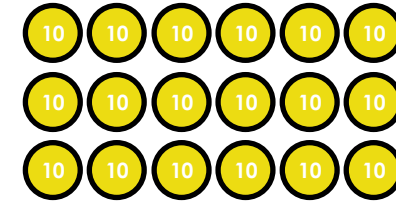
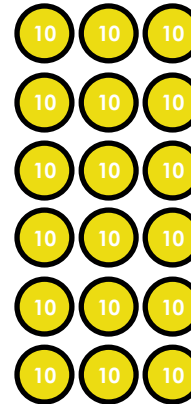
We know $8p \times 3 = 24p$...



Change the array to show that $80p \times 3 = 240p$

FLUENCY 3

What facts do these arrays represent?



What fact related fact were they formed from?

FLUENCY 4

Complete the 1st calculation and its related fact.

$4 \times 5 =$

$40 \times 5 =$

$8 \times 4 =$

$8 \times 40 =$

$3 \times 7 =$

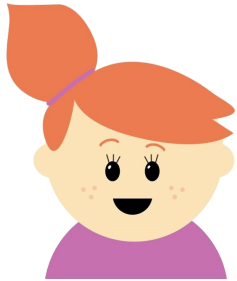
$30 \times 7 =$





REASONING 1

Millie has written some related calculations.



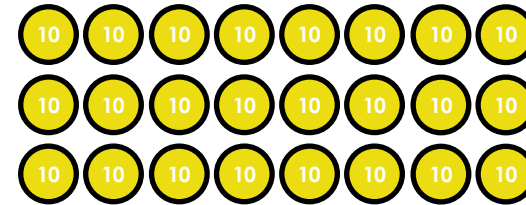
| | |
|-------------------|--------------------|
| $3 \times 8 = 24$ | $3 \times 8 = 240$ |
| $8 \times 3 = 24$ | $8 \times 3 = 240$ |
| $24 \div 3 = 8$ | $240 \div 3 = 8$ |
| $24 \div 8 = 3$ | $240 \div 8 = 3$ |

Can you spot and explain her mistake?

REASONING 3

True or False?

The array shows 8×3 .



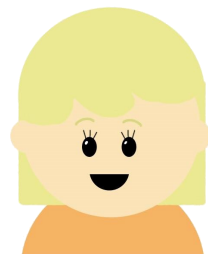
Explain how you know.

REASONING 2

Jane knows $2 \times 4 = 8$. She uses the equipment to show a related fact that is 10x bigger.



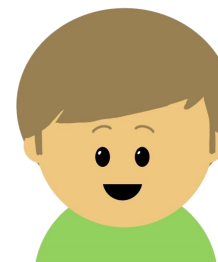
$20 \times 4 = 28$



Explain why Jane is wrong.

REASONING 4

True or false?



If $3 \times 60 = 180$,
then $180 \div 3 = 60$

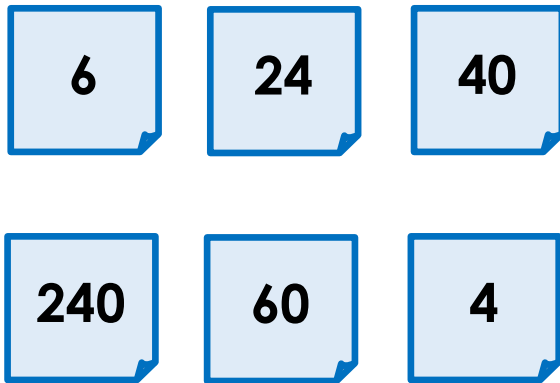
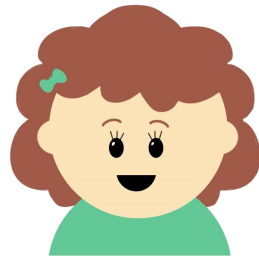
Prove it!





PROBLEM SOLVING 1

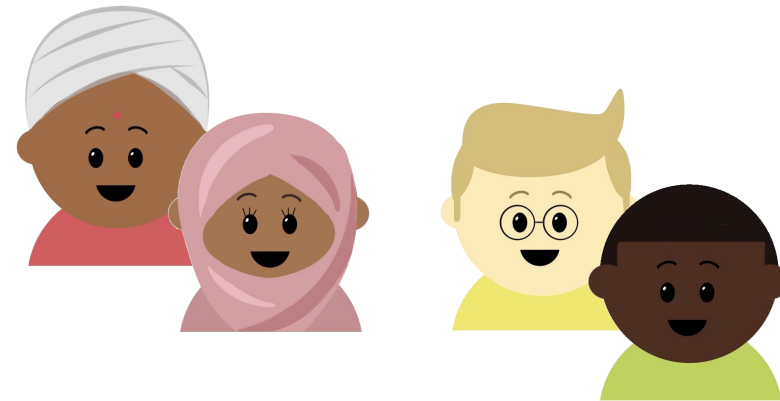
Darcey has some number cards.



How many different correct number sentences can you make?

PROBLEM SOLVING 2

Four friends have some money.
Their totals are made using a number of the same coins.



Ranjit and Asha have the same amount.
Alfie and Caleb have the same amount of money but it is ten times more than Ranjit or Asha have.
No child has any coins that their friends have.

Use your knowledge of related number facts and money to decide what coins they could each have.

