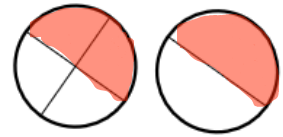
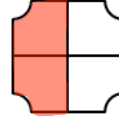
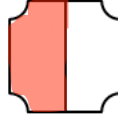
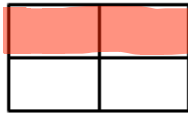


Equivalence: finding  $\frac{1}{2}$  and  $\frac{2}{4}$  of amounts within shapes

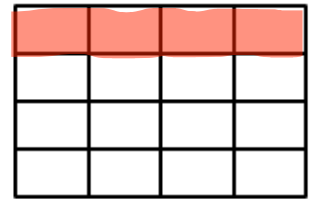
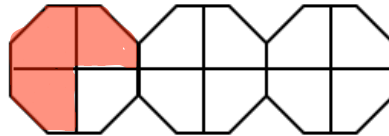
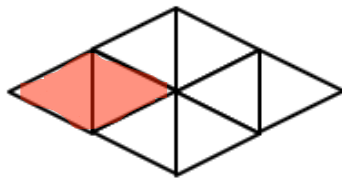
## REHEARSE

Show how you could colour in  $\frac{1}{2}$  and  $\frac{2}{4}$  of these shapes to prove they are equivalent. Possible solutions shown below.



## REHEARSE

Colour  $\frac{1}{4}$  of each shape by counting the number of equally sized pieces and calculating  $\frac{1}{4}$ .



$$\frac{1}{4} \text{ of } 8 = 2$$

Any 2 equal parts.

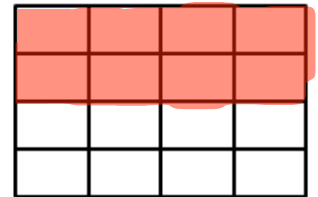
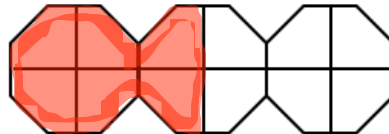
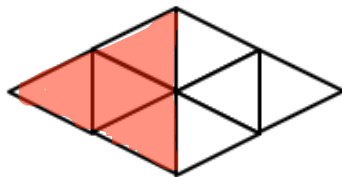
$$\frac{1}{4} \text{ of } 12 = 3$$

Any 3 equal parts.

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

Any 4 equal parts.

Use  $\frac{1}{4}$  of each shape to work out  $\frac{2}{4}$  and colour this on the shapes below.



$$\frac{2}{4} \text{ of } 8 = 4$$

Any 4 equal parts.

$$\frac{2}{4} \text{ of } 12 = 6$$

Any 6 equal parts.

$$\frac{2}{4} \text{ of } 16 = 8$$

Any 8 equal parts.

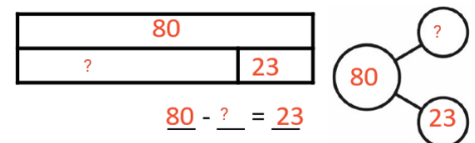
## RETRIEVE

Can I still identify parts and wholes to solve problems?

Liz went shopping with £80. She spent some money on a new dress. She has £23 left. How much money did she spend on the dress?

Model the problem to work out the calculation needed to solve the problem.

$$80 - 23 = 57 \text{ or } 23 + 57 = 80$$



## REHEARSE

Is it easy to see that  $\frac{2}{4} = \frac{1}{2}$  from your colouring? As appropriate.

If it is NOT easy to see  $\frac{2}{4} = \frac{1}{2}$  from your colouring, use the shapes below to see if you can make it more obvious.

If it is easy to see  $\frac{2}{4} = \frac{1}{2}$  from your colouring, use the shapes below to see if you can make it less obvious.

As appropriate based on pupil original recording.

## APPLY AND EXPLORE

Obvious that  $\frac{2}{4} = \frac{1}{2}$ .



No 2 adjoining pieces are coloured in.

