What is a fraction? (Y4)

Reasoning and problem solving

This page does not need to be printed. In your book, write the short date you do the work and the above question, underlining them neatly with a ruler.

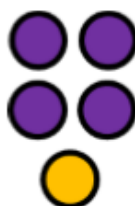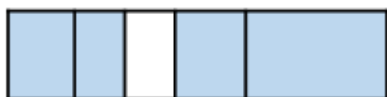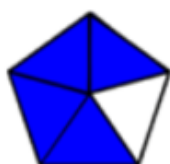1) **Always, Sometimes, Never?**

Alex says,

> If I split a shape into 4 parts, I have split it into quarters.

Explain your answer.

2) Which representations of $\frac{4}{5}$ are incorrect?

$\frac{4}{5}$

Explain how you know.

Always, Sometimes, Never?

Alex says,

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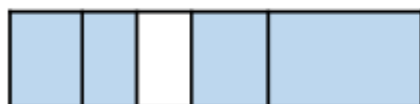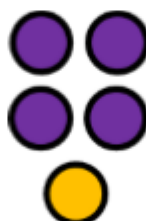
Explain your answer.

Sometimes

If the shape is not split equally, it will not be in quarters.

Which representations of $\frac{4}{5}$ are incorrect?

$\dfrac{4}{5}$

Explain how you know.

The image of the dogs could represent $\frac{2}{5}$ or $\frac{3}{5}$

The bar model is not divided into equal parts so this does not represent $\frac{4}{5}$