

Year 4

- 1) $5981 + 397 =$
- 2) $84.4 + 135.9 =$
- 3) $(1842 + 5972) - 982 =$
- 4) $4982 \div 4 =$
- 5) $2958 \times 6 =$
- 6) $4 \frac{3}{4} =$ how many quarters?
- 7) 32 fifths is what mixed fraction?
- 8) How many ninths in 7 whole ones?
- 9) 4.6km = _____m
- 10) 1843m = _____km

Reasoning and Problem Solving

Always, Sometimes, Never?

Alex says,

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



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?



$\frac{4}{5}$

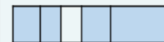


Explain how you know.

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



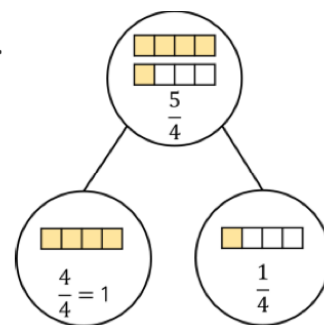
The bar model is not divided into equal parts so this does not represent $\frac{4}{5}$



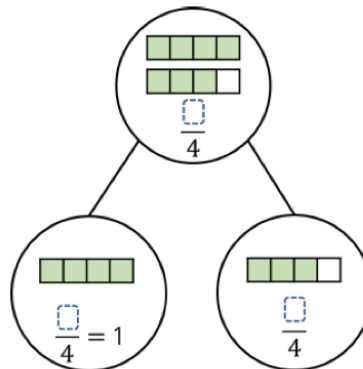
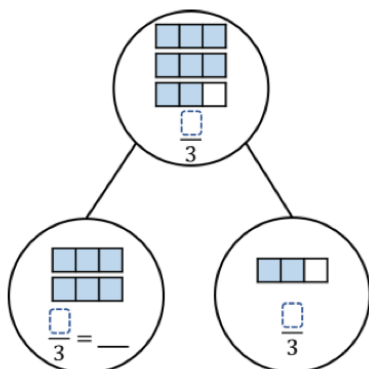
Complete the part-whole models and sentences.

There are ____ quarters altogether.

____ quarters = ____ whole and ____ quarter.



Write sentences to describe these part-whole models.



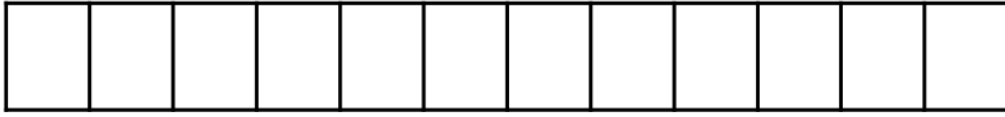
Complete. You may use part-whole models to help you.

$$\frac{10}{3} = \frac{9}{3} + \frac{\boxed{}}{3} = 3\frac{\boxed{}}{3}$$

$$\frac{\boxed{}}{3} = \frac{6}{3} + \frac{2}{3} = \boxed{}\frac{2}{3}$$

$$\frac{\boxed{}}{8} = \frac{16}{8} + \frac{3}{8} = \boxed{}\frac{\boxed{}}{8}$$

Using the diagram, complete the equivalent fractions.

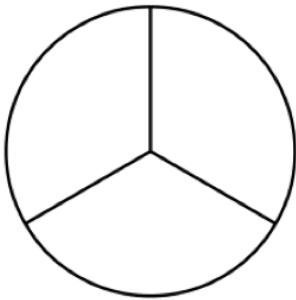


$$\frac{1}{4} = \frac{\square}{12}$$

$$\frac{1}{\square} = \frac{6}{12}$$

$$\frac{2}{3} = \frac{\square}{12}$$

$$\frac{5}{12} = \frac{\square}{24}$$



Using the diagram, complete the equivalent fractions.

$$\frac{1}{3} = \frac{\square}{6} = \frac{\square}{12} = \frac{\square}{24}$$

Complete:

$$\frac{1}{4} = \frac{2}{\square} = \frac{\square}{12} = \frac{4}{\square} = \frac{\square}{100} = \frac{\square}{500}$$