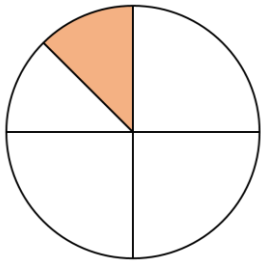


Name _____

- 1 Explain why this diagram does not show $\frac{1}{5}$



It is not split into equal parts.

1 mark

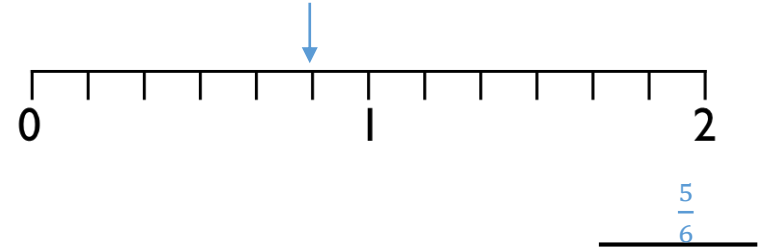
- 2 $\frac{3}{5} = \frac{\boxed{6}}{10}$



You may use the bar model to help you.

1 mark

- 3 What fraction is the arrow pointing to?



What do you need to add to this fraction to make 2?

1 $\frac{1}{6}$

1 mark

1 mark

- 4 Calculate.

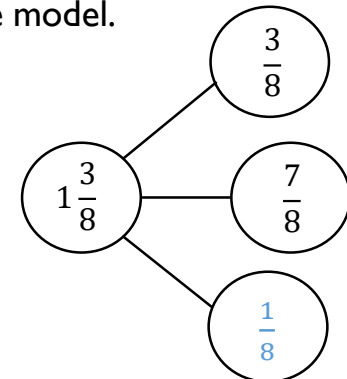
$$\frac{3}{8} + \frac{1}{8} + \frac{1}{8} = \underline{\frac{5}{8}}$$

$$\frac{5}{7} - \frac{2}{7} = \underline{\frac{3}{7}}$$

$$\frac{5}{12} + \frac{1}{4} = \underline{\frac{8}{12} / \frac{3}{4}}$$

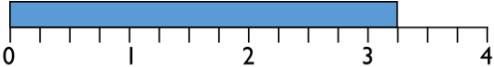
3 marks

- 5 Complete the part-whole model.



1 mark

6 Write the mixed numbers as improper fractions.

$$3\frac{1}{4} = \frac{13}{4}$$


$$4\frac{2}{3} = \frac{14}{3}$$

2 marks

7 Calculate $3\frac{5}{12} + 2\frac{1}{3}$

1 mark for correct method with one error.

$$5\frac{9}{12} / 5\frac{3}{4} / \frac{23}{4} \text{ oe}$$

2 marks

8 Calculate $\frac{1}{4} + 0.6$

$$0.85 / \frac{17}{20}$$

1 mark

9 Compare using $<$, $>$ or $=$

$$\frac{6}{10} \quad (<) \quad 0.4 + \frac{2}{5}$$

$$3 - \frac{4}{5} \quad (>) \quad 2 + \frac{1}{8}$$

2 marks

10 $a = \frac{5}{6}$ and $b = \frac{2}{3}$

Calculate

$$a - b = \frac{1}{6}$$

$$a + b = \frac{9}{6} / 1\frac{1}{2} \text{ oe}$$

2 marks

11 Jay drinks $7\frac{2}{5}$ litres of water in a week.

H Amina drinks $5\frac{2}{3}$ litres of water in a week.
How much more water does Jay drink than Amina?

1 mark for correct method with one error.

$$1\frac{11}{15}$$

2 marks

12 Write as a single fraction.

$$\frac{2x}{5} + \frac{3x}{10}$$

$$\frac{7x}{10}$$

1 mark

Total marks