

Q1.

Write the two missing values to make these equivalent fractions correct.

$$\frac{\square}{3} = \frac{8}{12} = \frac{4}{\square}$$

2 marks

Q2.

$$n = 22$$

What is  $2n + 9$ ?

1 mark

$$2q + 4 = 100$$

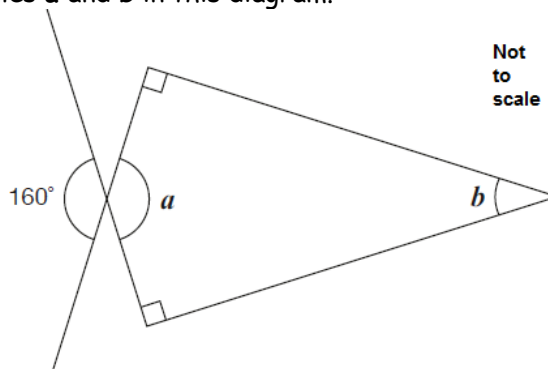
Work out the value of  $q$ .

$$q = \text{[ ]}$$

1 mark

Q3.

Calculate the size of angles  $a$  and  $b$  in this diagram.



Not to scale

$$a = \text{[ ]}$$

1 mark

$$b = \text{[ ]}$$

1 mark

Q4.

Lara chooses a number less than 20  
 She divides it by 2 and then adds 6  
 She then divides this result by 3  
 Her answer is 4.5  
 What was the number she started with?

Show your method

2 marks

Q5.

Lara had some money.  
 She spent £1.25 on a drink.  
 She spent £1.60 on a sandwich.  
 She has **three-quarters** of her money left.  
 How much money did Lara have to **start with**?

Show your method

2 marks