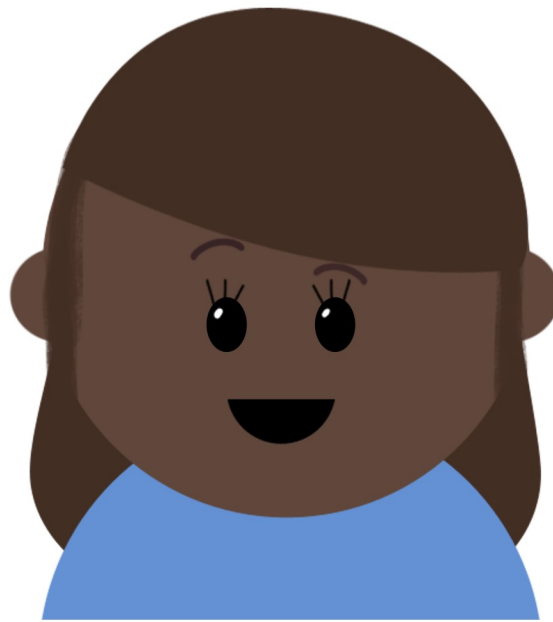




# DEEPENING UNDERSTANDING CHECK MY PAPER

*'The engaging way to prepare for SATs'*





Total  
Marks

## ANITA'S REASONING PAPER (KS2)

NAME:

D.O.B:

SCHOOL:



© Deepening Understanding LTD 2018

Photocopiable for educational purposes only

## INSTRUCTIONS

- Anita has completed a reasoning test and it is your task to check her paper.
- You will be given 30 minutes to mark Anita's test.
- If Anita got the right answer, put a tick in the orange box besides each question. If her answer was incorrect, put a cross in the orange marking box and write the correct response besides the blue answer box.
- The 'Show your working' comments on some questions indicate that you need to show your working to prove whether Anita was right or wrong.

## ADVICE

- Work as quickly but as carefully as you can
- If you cannot work out the answer to a question, leave it and return to it only if you have time remaining.
- If you finish checking Anita's paper early, do not forget to carry out further checks with the time that is left to complete this assessment.



Q1) Complete the missing boxes in this intelligent practice challenge.

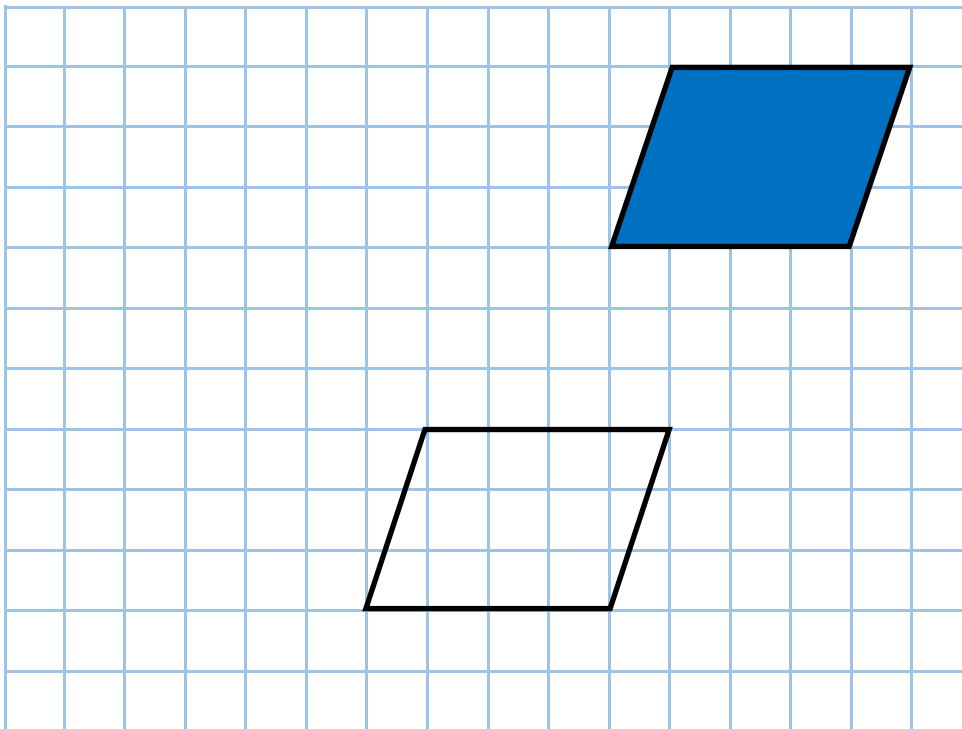
$$6 \times \boxed{6} = 36$$

$$60 \times \boxed{60} = 3,600$$

$$\boxed{600} \times 600 = 36,000$$

Mark

Q2) Translate the shape six squares down and four squares to the left.



Mark

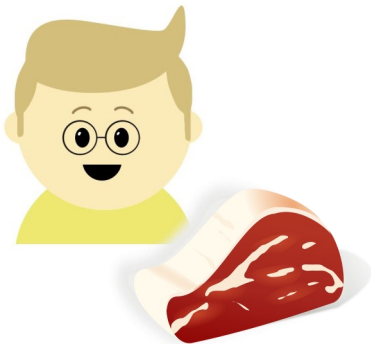


Q3) Circle two digits that should switch places to make this sequence correct.

$$\frac{3}{7} > 0.4 \textcircled{5} > 4 \textcircled{3} \%$$

Mark

Q4) Alfie is cooking a 0.6kg joint of steak for dinner. Calculate the total time he needs to cook it for.



Cooking Instructions

Beef must be cooked for 30 minutes per 400 grams plus 20 minutes.

105 mins

Mark



Q5) Asha's family are growing sunflowers in the garden.  
Calculate the mean height of their sunflowers.

| Sunflower          | Height in Centimetres (cm) |
|--------------------|----------------------------|
| Asha's Sunflower   | 172                        |
| Omar's Sunflower   | 156                        |
| Yousef's Sunflower | 183                        |
| Sadia's Sunflower  | 164                        |



168.75cm

Mark

Q6) Write down the biggest and smallest numbers that  
round to 358,240 when rounded to the nearest 10.

Biggest number

358,244

Smallest number

358,240

Mark



Q7) Complete the following problem.

A journey to Australia takes a total of 40 hours because of the flight changes. What percentage of the travel time was spent flying?



Flight one lasted 3 and a half hours



Flight two lasted 12 hours

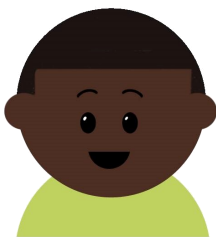


Flight three lasted 6.5 hours

22%

Mark

Q8) Caleb has a theory about number properties.  
Explain why he is incorrect.



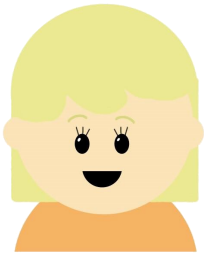
All numbers have an even number of factors. The only number that doesn't is 1.

Caleb is incorrect because square numbers have two numbers that are the same that multiply together. An example is 25 ( $5 \times 5$ ). This means its factors are 1, 5 and 25.

Mark

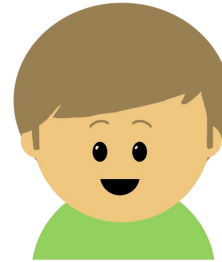


Q9) Two children are reading the same 240 page book.  
How many more pages has Jane read than Jerry?



Jane has read three tenths of the book.

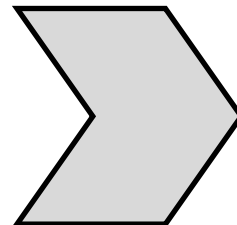
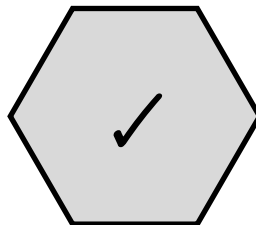
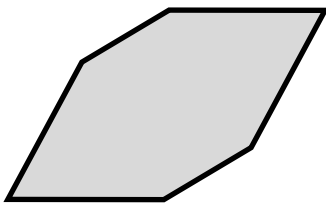
Jerry still has four fifths of the book  
left to read



120 pages

Mark

Q10) Tick the shape which is the odd one out.  
Use the space at the bottom to explain your choice!



I think the shape in the middle is the odd one out  
since all of its angles are the same size.

Mark

