

Year 7 Level 5 Maths Practice Assessment


Name:

Class:

Date:


A Counting and understanding numbers:

1.  $3.7 \div 100$

1 mark (L5/1)

2. Round the following to one decimal place.



<b>2.48</b>	<b>5.26</b>	<b>7.22</b>	<b>4.66</b>	<b>3.91</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>


2 marks (L5/2)

3. Use each of the numbers 1, 2, 3, 4 and 5 to correctly complete the following sentences:

\_\_\_ is a factor of \_\_\_  
42 is a multiple of \_\_\_  
\_\_\_ is a prime number  
\_\_\_ is not a prime number

2 marks (L5/3)

4. Complete these fractions to make each equivalent to  $\frac{3}{4}$




<input type="text"/>	<input type="text"/>
<hr/>	<hr/>
8	12

$\frac{12}{\text{input type="text"}}$

1 mark (L5/4)


5. Write  $\frac{4}{16}$  in its simplest form



1 mark (L5/5)

**B** Calculating

6. Write in the missing numbers.

   $\div 22.6 = 7.5$

1 mark (L5/6)

$50 - (14.24 + 16.36) =$

1 mark (L5/6)

7. Calculate  $346 \times 23$

Show your **working**.  
You may get a mark.

2 marks (L5/8)


8. Write a number in each box to make the calculations correct.

+  = -8

-  = -8

2 marks (L5/9)

9. Sue thinks of a number.  
She **divides** it by **6** then adds 9. Her answer is **20**.  
What is the number Sue thinks of?

1 mark (L5/11)

**Shape, Space and Measure**

10. Here are four statements.

For each statement put a tick (✓) if it is **possible**.  
Put a cross (✗) if it is **impossible**.



A triangle can have 2 parallel sides.

A triangle can have 2 perpendicular sides.

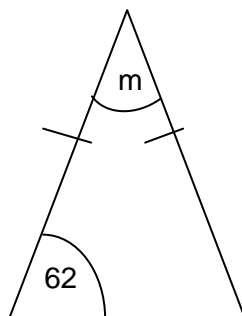
1 mark (L5/12)

A triangle can have 2 acute angles.

A triangle can have 2 obtuse angles.

1 mark (L5/12)

- 
11. Work out the size of the missing angle marked 'm'

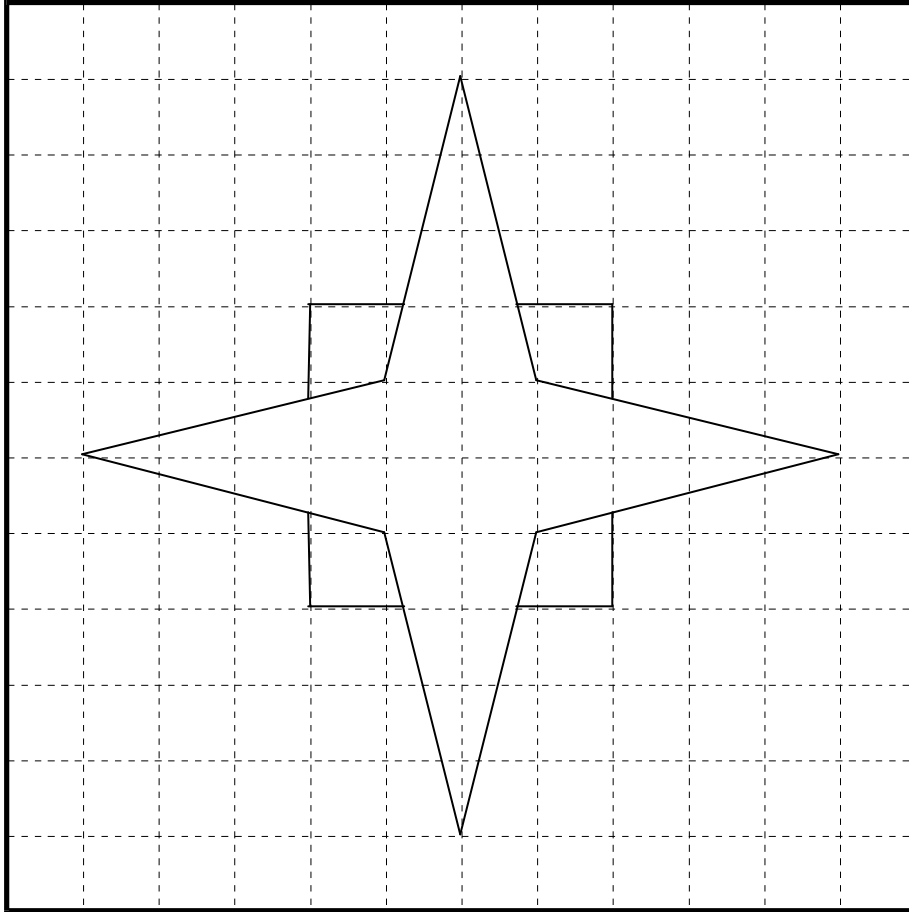


1 mark (L5/14)

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12. Draw all lines of symmetry on the shape below.

1 mark (L5/13)

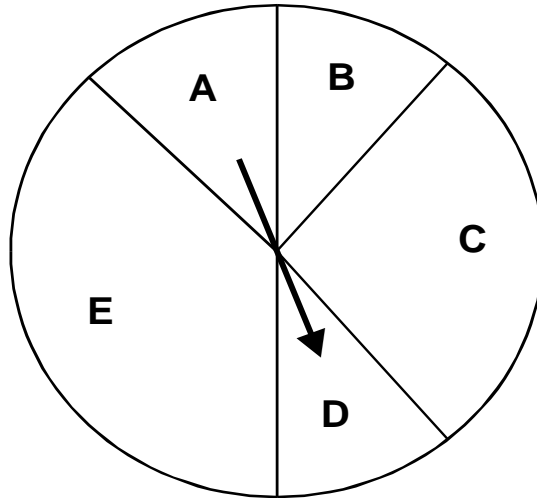


What order of rotational symmetry does the shape have?

1 mark (L5/13)

**D Data Handling**

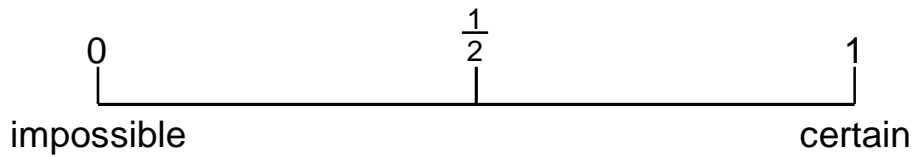
13. Here is a spinner



Anne spins the arrow.

What is the **probability** that the arrow stops in **sector E**?

Show this probability by putting a cross (X) on the probability line below.



1 mark (L5/20)

14. Write a **different** number in **each** of these boxes so that the **mean** of the **three** numbers is **8**



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1 mark (L5/21)

Write a number in **each** of these boxes so that the **mode** of the **five** numbers is **12**.



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1 mark (L5/21)

15. Mark throws a fair coin.  
He gets a Head.

Mark's sister then throws the same coin.

(a) What is the probability that she will get a Head?

..... 1 mark (L5/22)

Mark throws the coin 30 times.

(b) Explain why he may not get exactly 15 Heads and 15 Tails.

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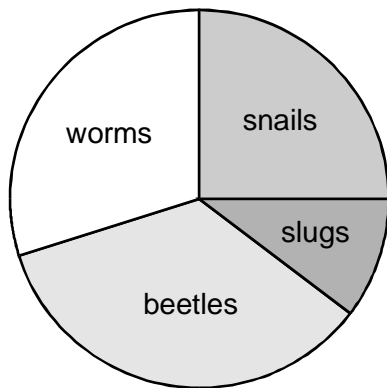
..... 1 mark (L5/22)

16. Tony and Gemma looked for snails, worms, slugs and beetles in their gardens.



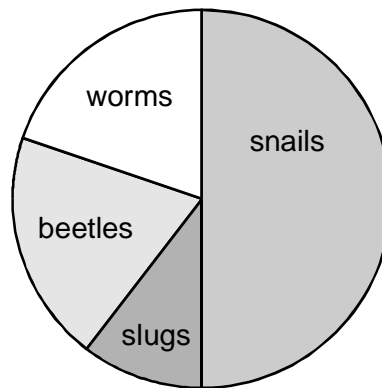
They each made a pie chart of what they found.

Tony's pie chart



Total 80

Gemma's pie chart



Total 36

(i) **Estimate** the number of **worms** that **Tony** found.

..... 1 mark (L5/23)

(ii) Who found more **snails**?

Circle Tony or Gemma.  
Explain how you know.

Tony / Gemma



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..... 1 mark (L5/23)