DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Directorate for Learning and Assessment Programmes
Educational Assessment Unit

Track 3

Annual Examinations for Middle Schools 2022

YEAR 7 **MATHEMATICS** **TIME: 30 minutes**
Non-Calculator Paper

Question	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Total**
Mark									

DO NOT WRITE ABOVE THIS LINE

Name: _____ Class: _____

Instructions to Candidates

- **Answer all questions.**
- **This paper carries a total of 25 marks.**
- **Calculators and protractors are NOT ALLOWED.**
- **All necessary working must be shown.**

1. a) Round to the nearest ten thousand: **175 470**

Ans: _____

b) (i) What is the value of 8 in the number **83 259**?

Ans: _____

(ii) What is the value of 2 in the number **83 259**?

Ans: _____

(3 marks)

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2. a) Calculate the size of angle a.

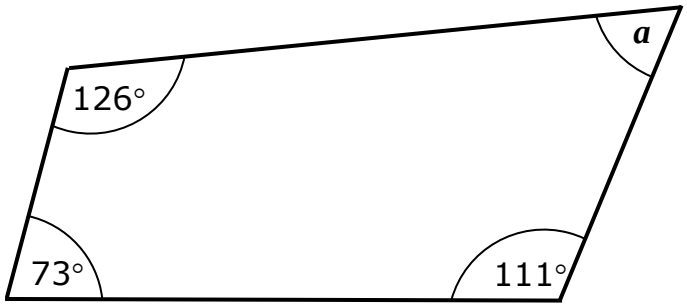

Diagram is not drawn to scale

°

Ans: a = _____

b) Ana states that "The four angles of a quadrilateral can all be acute angles". Is Ana correct? Explain.

_____

_____.

(4 marks)

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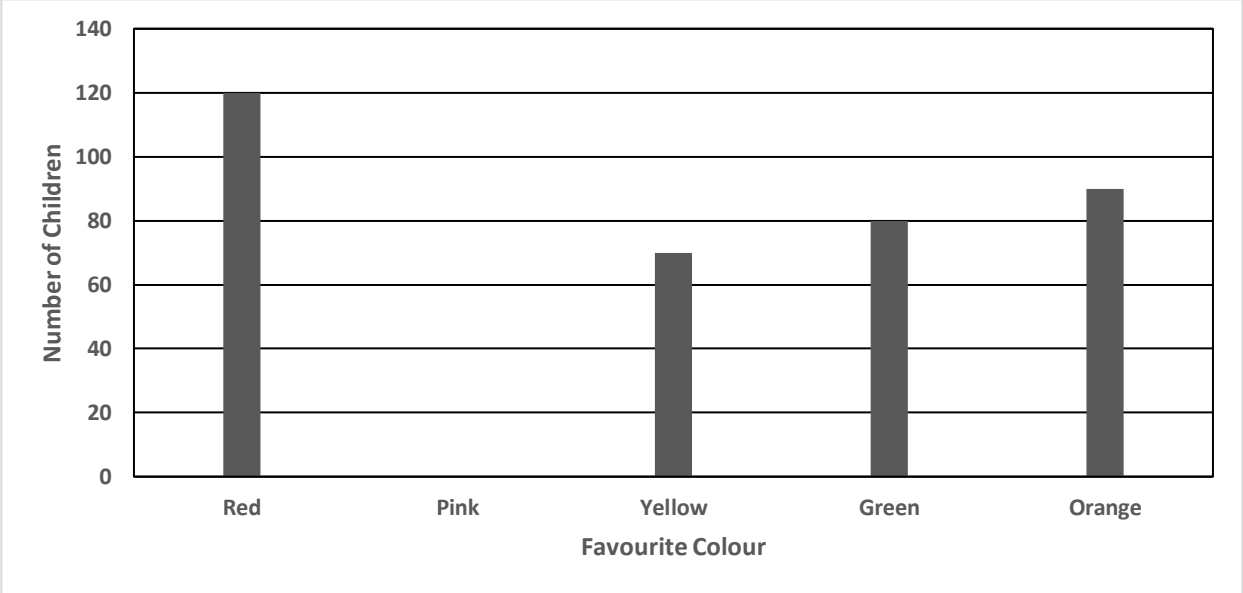
3. Mark **True** or **False**.

		True	***False***
a)	$3\frac{5}{8}$ is equal to $\frac{29}{8}$**.**		
b)	145.378 rounded to 2 decimal places is 145.37.		
c)	$\frac{7}{9}$ and $\frac{56}{72}$ are equivalent.		
d)	In the number 16.45, the digit 5 has a value of 0.5.		

(4 marks)

4. A group of 400 children were asked to state their favourite colour.

a) Draw the bar to represent the number of children who stated pink.



b) How many more children prefer red than yellow?

Ans: _____

(3 marks)

5. a) On a particular day, the highest temperature in Iceland was -10°C.
On the same day, the highest temperature in Denmark was 9°C higher.
What was the temperature in Denmark?

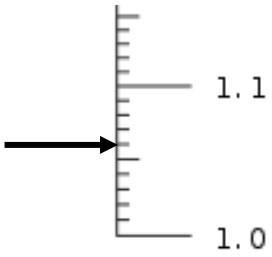
Ans: _____°C

b) Work out:

$$6 + (-8) - (-9)$$

Ans: _____

c) What is the reading shown by the arrow.



Ans: _____

(4 marks)

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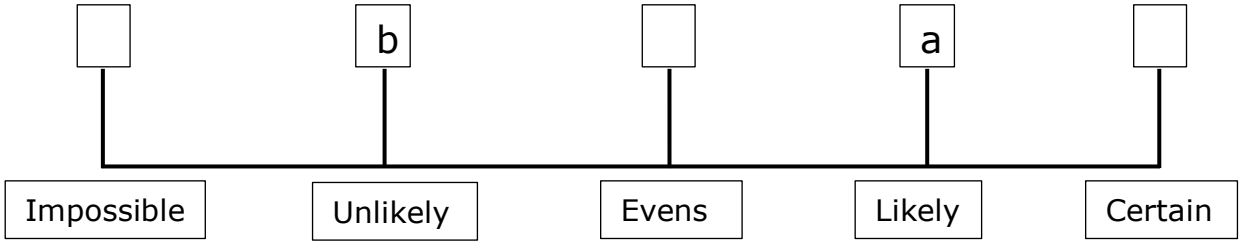
6. Use these statements to fill in: Parts (a) and (b) have been done for you.

a) In summer, the weather is sunny.
b) A vowel is chosen from all the letters of the alphabet.
c) The day after Thursday is Friday.
d) The next baby born is a girl.
e) A man lives 400 years.



(3 marks)

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7. The total mass of five crates of carrots is 70 kg.
Work out the total mass, in kg, of 9 similar crates of carrots.

Ans: _____kg

(2 marks)

8. Place two of the signs **+** or **−** or **×** or **÷** to complete the statement.

$$(20 \square\ 4^3) \square\ 2 = 42$$

(2 marks)

END OF NON-CALCULATOR PAPER

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