Year 7 Level 3 Maths Practice Assessment

Name: | | **Class:** | | **Date:** | |

A   Counting and understanding numbers:

1.   Write these numbers in order of size, starting with the smallest.

548   584   485   854   458   845

| | | | | | |

smallest

1 mark (L3/1)

2.   Write these temperatures in order from hottest to coldest.
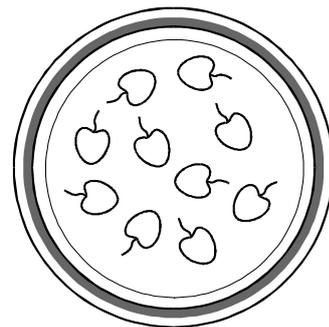
1°C   -2°C   0°C   -1°C   2°C   -3°C

| | | | | | |

hottest

1 mark (L3/2)

3.   Write the missing numbers in this sequence.

| | 97   87 | | 67

1 mark (L3/3)

4.   Jack ate **one third** the cherries on the plate.
These are the cherries that were **left**.

How many cherries were on Jack's plate **before** he ate one third of them?

| |
| **cherries** |

1 mark (L3/4)

5. These are the prices in a shoe shop.

boots
£45.50

sandals
£12.75

trainers
£34.99

How much **more** do the boots cost than the trainers?

£

6. Circle the numbers which are multiples of 6.

54   28   34   55   42   24

B **Calculating:**

7. Use **28 x 3 = 84** to complete these number sentences

84 ÷ 3 =

84 ÷ 28 =

8. Write in the missing number.

+ 6 = 8 x 10

9. Calculate   **83 – 26**

10. Write the answer in the box.

$$248 + 164 = \boxed{}$$

You **must** show your working

---

11. There are 4 pens in a box.

Tony needs **54 pens**.

How many **boxes** does he need?

$$\boxed{}$$

---

12. Work out   **326 – 108**

$$\boxed{}$$

---

13. Calculate   **47 ÷ 3**

$$\boxed{}$$

C   Shape, Space and Measure:

14. Put ticks (✓) and crosses (✘) on the chart to complete it correctly.
One has been done for you.

Shape	It is a quadrilateral	It has one or more right angles
	✘	✓

2 marks (L3/14)

D   Data Handling:

15. You have to throw a dice and record the numbers that turn up.
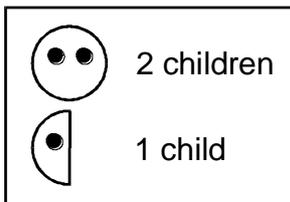Design a tally chart to record the outcomes

1 mark (L3/20)

16. **Class survey of favourite fruit drinks**

flavour	number of children
pineapple	2
orange	10
blackcurrant	8
grapefruit	6
apple	9

Complete the pictogram for the class.

1 mark (L3/21)

17. **Five** children sorted themselves into these sets
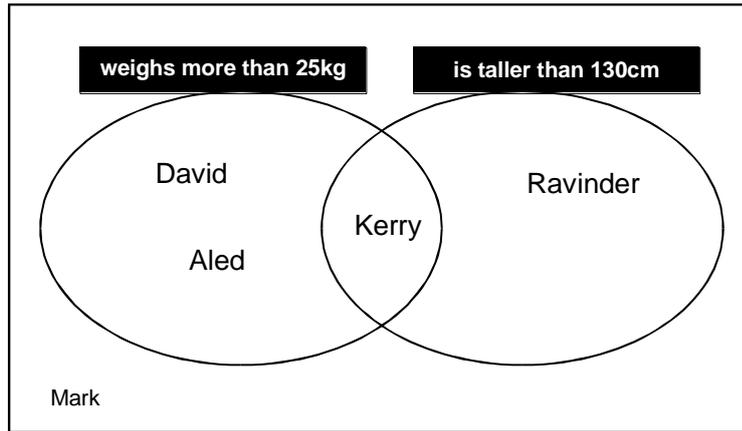
Complete this diagram to show the same information.

	is taller than 130cm	is **not** taller than 130cm
weighs more than 25kg		
does **not** weighs more than 25kg		
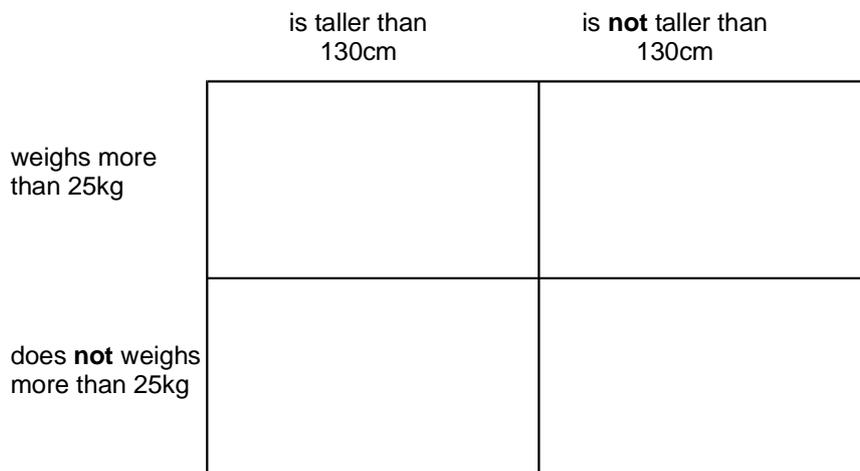
2 marks (L3/22)

---

18. Here is a pictogram with information about some pupils and their method of travel to school.

Dev says,

"5 less children like to come to school by bus than on a bicycle."

Molly says,

"You can't say that for certain."

a) Who do you agree with? Explain your reason.

....

.... 1 mark (L3/23)

b) If each symbol represents five pupils, how many people took part in the survey?

..........................1 mark (L3/23)