Q5 (Probability) Day 5   **Name:** _____

1. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
3 Dark	4 Dark	7 Dark
9 Milk	6 Milk	3 Milk
2 White	2 White	4 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **milk** chocolate is an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

2. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
4 Dark	3 Dark	6 Dark
8 Milk	4 Milk	5 Milk
12 White	10 White	8 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **white** chocolate is an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

3. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
10 Dark	7 Dark	7 Dark
5 Milk	2 Milk	4 Milk
5 White	3 White	4 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **dark** chocolate is **less** than an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

4. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
8 Dark	6 Dark	11 Dark
9 Milk	12 Milk	9 Milk
6 White	5 White	10 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **milk** chocolate is **more** than an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

5. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
6 Dark	10 Dark	11 Dark
3 Milk	4 Milk	7 Milk
9 White	7 White	8 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **white** chocolate is an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

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6. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
12 Dark	18 Dark	9 Dark
5 Milk	8 Milk	7 Milk
1 White	5 White	8 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **dark** chocolate is **less** than an even chance. **Which box**? **A, B** or **C** in the space below.

Box _____

7. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
10 Dark	5 Dark	15 Dark
12 Milk	15 Milk	17 Milk
6 White	9 White	12 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **milk** chocolate is **more** than an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

8. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
7 Dark	4 Dark	9 Dark
16 Milk	12 Milk	19 Milk
8 White	16 White	8 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **white** chocolate is an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

9. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
16 Dark	17 Dark	21 Dark
12 Milk	10 Milk	13 Milk
14 White	5 White	6 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **dark** chocolate is **less** than an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

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10. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
26 Dark	12 Dark	22 Dark
26 Milk	9 Milk	31 Milk
2 White	15 White	8 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **milk** chocolate is **more** than an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

11. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
20 Dark	28 Dark	15 Dark
36 Milk	18 Milk	26 Milk
31 White	19 White	41 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **white** chocolate is an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

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12. Boxes A, B and **C** contain chocolates. There are **3** types of chocolate: **dark, milk** and **white**. The number of chocolates in each box is:

Box A	Box B	Box C
119 Dark	112 Dark	83 Dark
56 Milk	219 Milk	26 Milk
63 White	145 White	49 white

I choose a chocolate at random from each box. For one of the boxes the **chance** of picking a **dark** chocolate is **less** than an even chance. **Which box**? Write **A, B** or **C** in the space below.

Box _____

<u>Answers</u>

1. B
2. A
3. C
4. B
5. A
6. C
7. B
8. B
9. A
10. C
11. C
12. B