ZiloAcademy

✨ Grade 6 Maths — Data & Graphing ✨

Name: Demo Grade 6 **Date:** 26/11/2026

1. A bag has **8** red marbles and **3** blue marbles. If you pick one item without looking, what is the probability it is a red marble? (Write as a fraction.)

2. A bag has **5** winning tickets and **4** losing tickets. If you pick one item without looking, what is the probability it is a winning ticket? (Write as a fraction.)

3. A bag has **4** red marbles and **3** blue marbles. If you pick one item without looking, what is the probability it is a red marble? (Write as a fraction.)

4. A bag has **3** chocolate biscuits and **6** plain biscuits. If you pick one item without looking, what is the probability it is a chocolate biscuit? (Write as a fraction.)

5. Find the mode of this data set: **3**, **14**, **18**, **14**, **2**, **14**, **17**

6. A bag has **3** winning tickets and **4** losing tickets. If you pick one item without looking, what is the probability it is a winning ticket? (Write as a fraction.)

7. A bag has **8** red marbles and **5** blue marbles. If you pick one item without looking, what is the probability it is a red marble? (Write as a fraction.)

8. A bag has **10** winning tickets and **5** losing tickets. If you pick one item without looking, what is the probability it is a winning ticket? (Write as a fraction.)

9. A bag has **4** chocolate biscuits and **6** plain biscuits. If you pick one item without looking, what is the probability it is a chocolate biscuit? (Write as a fraction.)

10. Find the median of this data set: **16**, **23**, **16**, **12**, **16**, **20**, **11**