Understanding fractions
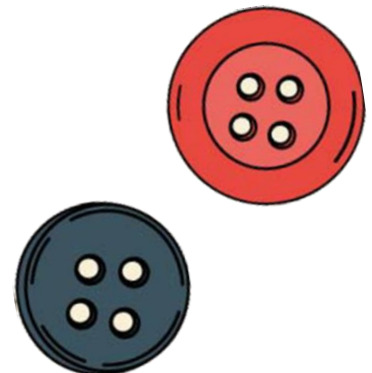
John collected 25 buttons from his old clothes. There are 18 round buttons. 9 of the buttons have two holes and the rest have four holes.

1.   What fraction of the buttons are not round?

2.   What fraction of the buttons have four holes?

3.   In round buttons, 11/18 of them are black, and the rest are red. How many round buttons are red?

4. John reused 9 buttons for his jacket and another 8 buttons for his shirt. What fraction of the buttons were left?

5. If John finds another 2 black round buttons, what fraction of the round buttons are black?

Answers

1. $25 - 18 = 7$
    $\frac{7}{25}$ of the buttons are not round.

2. $25 - 9 = 16$
    $\frac{16}{25}$ of the buttons have four holes.

3. $18 - 11 = 7$
    7 round buttons are red.

4. $25 - 9 - 8 = 8$
    $\frac{8}{25}$ of the buttons were left.

5. $11 + 2 = 13$ black round buttons
    $18 + 2 = 20$ round buttons
    $\frac{13}{20}$ of the round buttons are black.