

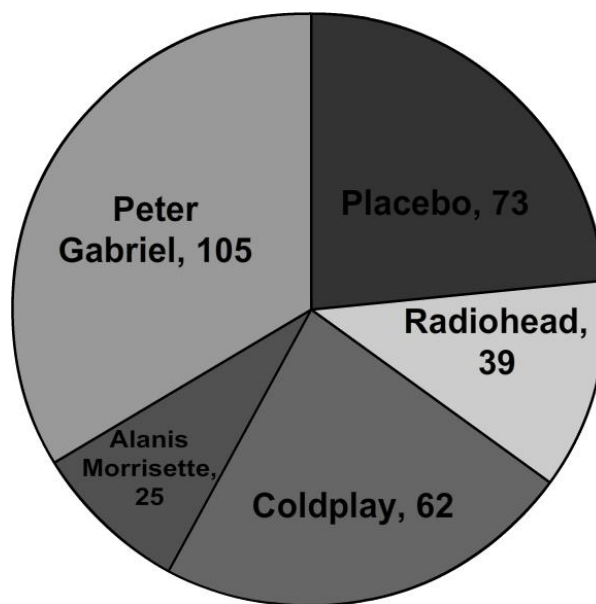
## Grade 8 Mathematics Worksheet

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### Probability and pie chart

#### Questions:

1. On your iPod you have stored music by five of your favourite bands or artists. The information shown in the pie charts shows the number of songs that you have stored from each artist and band.  
When you switch on your iPod, it chooses a song at random to play. What is the probability that a song from Placebo will play?



- A)  $\frac{1}{73}$
- B) 0,24
- C)  $\frac{3}{4}$
- D) 35%

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### Solution

1.  $P(\text{song from Placebo}) = \frac{73}{105+73+39+62+25} = \frac{73}{304} = 0,24$       Solution is (B)

Learners need to represent the probability calculations in many different forms.