

King Arthur

Think



- Who is this figure?
- Why is he hooded?
- Was he real?
- Will he return? When?



Discover



Fact: It is not known if Arthur was real. However, many people believe he may have been a Romano-British leader who successfully fought off a Saxon invasion during the 5th or 6th century.

Question: Research some of the different stories about King Arthur. Is there any evidence for his existence? Create a fact file about King Arthur and his legends.

Question: What information can you find out about the time King Arthur is supposed to have lived? When did the Saxons invade Britain? Why?

Solve



King Arthur wants a round table that will seat himself and his 12 knights. He decides to allow each knight 60cm plus a gap of 20cm between knights. What will be the circumference of the table? What will be the diameter? What will be the area?

As he is the king, Arthur decides he should have twice as much space as his knights. What size will the table need to be now?

Respond



There are numerous stories about how Arthur pulled the sword from the stone. Many describe an inscription on the sword. Write an inscription explaining that the person who pulls the sword from the stone will become king. Use rhyme and archaic (old) language to make it seem ancient and mystical. Alternatively, write an epitaph to tell of how and when Arthur will return.

Discuss



King Arthur's reign is often described as a golden age. What are the characteristics of a good leader?

Reimagine



Draw the Sword in the Stone. Include detail of the hilt, an inscription and weeds growing around the sword.

King Arthur Answers

| What will be the circumference of the table? | What size will the table need to be now? |
|--|---|
| <p>Each knight needs 60cm plus 20cm between each knight. There are 12 knights and King Arthur. Therefore, multiply the distance required by each knight by 13.</p> $(60 + 20) \times 13 = 80 \times 13 = 1040\text{cm}$ | <p>If Arthur wants twice as much space, he will require an extra 60 cm (there is no need for the extra 20cm as there are no extra knights).</p> $1040\text{cm} + 60\text{cm} = 1100\text{cm (circumference)}$ |
| <p>What will be the diameter?</p> <p>The circumference is 1040cm.</p> $\text{Circumference} = \text{diameter} \times \pi$ <p>Therefore, diameter = circumference \div π</p> $1040\text{cm} \div 3.14 = 331.2\text{cm (to one decimal place)}$ | |
| <p>What will be the area?</p> <p>Area of a circle = $\pi \times \text{radius}^2$</p> <p>The radius is half the diameter:</p> $331.2 \div 2 = 165.6\text{cm (radius)}$ $165.6^2 \times 3.14 = 86\,109\text{cm}^2 \text{ (area to the nearest centimetre)}$ | <p>The radius is:</p> $350.3 \div 2 = 175.15\text{cm}$ <p>The area is:</p> $175.15^2 \times 3.14 = 96\,327\text{cm}^2 \text{ (to the nearest centimetre)}$ |