

## Think



- What are they?
- What are they made of?
- Where are they?
- How could these be used in sport?

## Respond



Write a balanced argument for and against having a sack race on sports day. Why should it be included? What are the possible hazards? Does it involve any more risk than other events?

## Reimagine



Hessian is a fantastic textile to print on. Design a sack for a school sack race. Would you include school or house colours and logos?



## Discover



**Fact:** Hessian originally got its name from being used as part of the uniform worn by German soldiers, who were known as 'Hessians'. It has been known by the names burlap and crocus, among others and has been used all over the world for a variety of products.

**Question:** What can you find out about hessian and how it's used? What are the most creative ways you have discovered? Why not present some facts about this versatile textile on a hessian background?

## Solve



Anytown Primary School is having a sack race and Year 5 are making their own sacks as part of a DT project. Each of the 29 children in the class will need to make one sack each. Each sack will require 72cm of material. Hessian comes in rolls of 5m. How many rolls will the teacher need to get and how much will be left over?

## Discuss



Should sack races and three-legged races be banned in case children get hurt or is this an over-reaction? Don't all sports, by their nature, present some kind of risk? Should all sports be banned in this case? Have health and safety issues gone too far and do they now replace common sense? Should they really be involved in school sports days at all?

# Sacks Answers

How many rolls will the teacher need to get?	How much will be left over?
<p><math>29 \times 72\text{cm} = 2088\text{cm}</math></p> <p><math>1 \times \text{roll} = 500\text{cm}</math></p> <p><math>2088 \div 500 = 4.176</math></p> <p>Therefore, the teacher will need to buy 4 rolls.</p>	<p>To find out how much is left over: <math>500 \div 1.76 = 284.09\text{cm}</math></p>