

# Maths for real life

## Learning Objectives:

- To recognise that maths skills are embedded in everyday activities such as shopping and to
- To identify maths skills used when shopping
- To use percentages and fractions to calculate discounts.

## Introduction

Tell students this lesson is about real-life maths. If you have internet access, play this YouTube video (a fraction under 2 minutes long). Ask students to make notes as they watch.

<http://www.youtube.com/watch?v=m1ZdPFR-f-8>

## Group work

Hand out copies of the *Customer care* worksheet (or project them on an IWB). Students to work in groups to answer the questions. Ask students to make a list of maths skills needed when shopping. Discuss the answers as a class – scribe the consensus on the board. Then hand out copies of *Sales shopping – work it out* sheets. Ask student to complete the tasks. Which of the items represents the biggest cash saving? You can easily extend this activity by getting students to work in pairs and ask each other to calculate sales discounts for their favourite goods or from their favourite shops.

## Plenary

- What maths skills did students use to work out the answers?
- Which was the trickiest question and why?
- List three things you have learned today.

## Answers - Customer care

1. £95
2. Two weeks ago
3. The assistant was going to say that the customer originally said that she had bought the item, but then changed her story and said it was a gift.

## Sales shopping – work it out

- |           |           |           |            |            |
|-----------|-----------|-----------|------------|------------|
| 1. £28.50 | 2. £24.50 | 3. £20.00 | 4. £124.10 | 5. £280.00 |
| 6. £25.20 | 7. £51.00 | 8. £22.50 | 9. £320.00 | 10. £16.80 |

The television represents the biggest cash saving - £80.

## Customer care worksheet

1. How much did the woman say she paid for the item?

2. How long ago had she bought the item?

3. What do you think the assistant was about to say to the woman at the end of the scene?

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4. What maths skills might you use when you are shopping? Discuss with your group and write your answers in the box below.

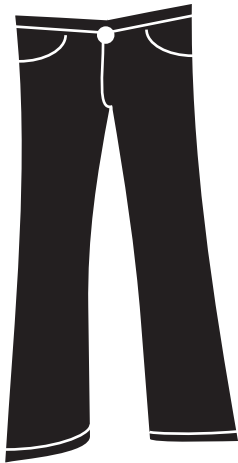
## 4. Sales shopping - work it out

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It can be hard to pick up bargains in the sale if you're not sure exactly how much money you're saving. Being able to quickly work out 10, 20, 25 or 50% off something is a good skill to have if you're one of those people queuing up outside Next at 4 o'clock in the morning.

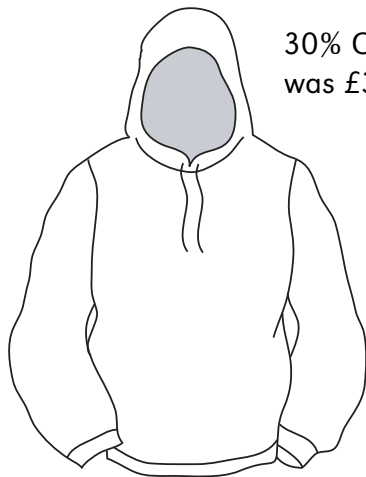
Work out how much each of these items is in the sale.

1.



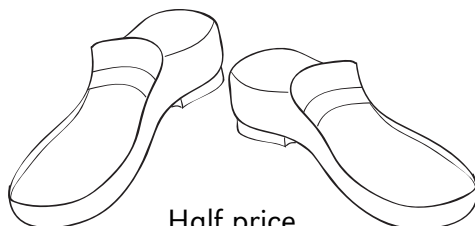
25% OFF  
was £38.00

2.



30% OFF  
was £35.00

3.

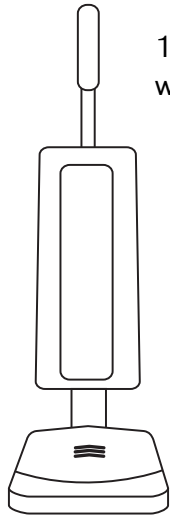


Half price  
was £40.00

## 4. Sales shopping - work it out

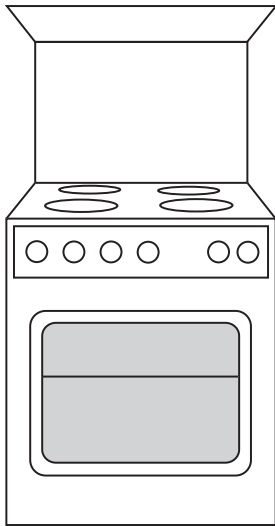
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4.



15% DISCOUNT  
was £146.00

5.



20% DISCOUNT  
was £350.00

6.

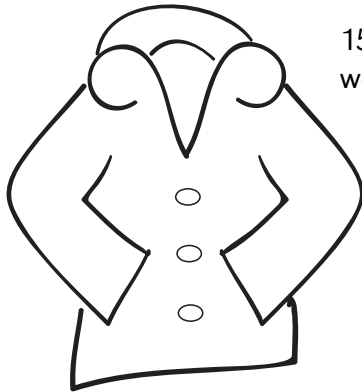


10% DISCOUNT  
was £28.00

## 4. Sales shopping - work it out

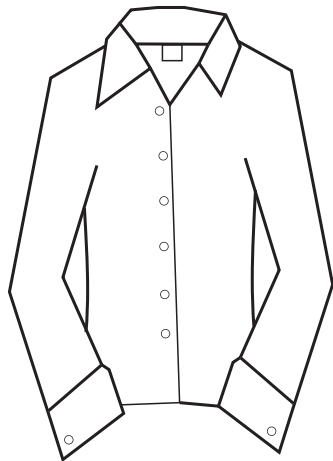
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7.



15% DISCOUNT  
was £60.00

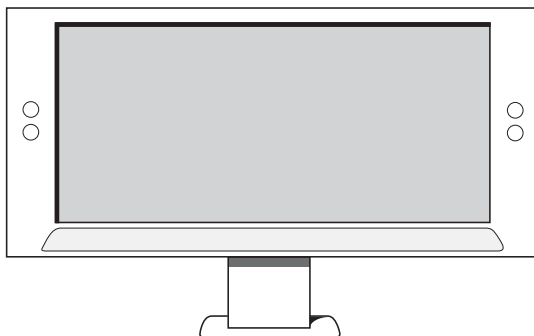
8.



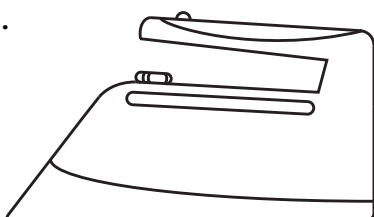
10% DISCOUNT  
was £25.00

9.

20% DISCOUNT  
was £400.00



10.



30% DISCOUNT  
was £24.00