



## Sample assessment task

Year level	6
Learning area	Mathematics
Subject	Money and Financial Mathematics
Title of task	Shopping spree

## Task details

Description of task	Students will complete questions to assist in determining percentage discounts of 10%, 25% and 50% to create a simple budget to buy some new games.
Type of assessment	Summative
Purpose of assessment	To assess students' ability to create a simple financial plan.
Assessment strategy	Written
Evidence to be collected	Question and answer booklet
Suggested time	1 hour

## Content description

Content from the Western Australian Curriculum	<b>Number and Algebra</b> <b>Money and Financial Mathematics</b> Investigate and calculate percentage discounts of 10%, 25% and 50% on sale items, with and without digital technologies			
Proficiencies	Understanding	Fluency	Problem Solving	Reasoning
	✓	✓	✓	✓

## Task preparation

Prior learning	Students have prior knowledge of: <ul style="list-style-type: none"><li>creating simple plans</li><li>solving problems involving money and the calculation of change.</li></ul>
Assessment differentiation	Teachers should differentiate their teaching and assessment to meet the specific learning needs of their students, based on their level of readiness to learn and their need to be challenged. Where appropriate, teachers may either scaffold or extend the scope of the assessment tasks.

## Assessment task

Assessment conditions	This is an individual, in-class assessment.
Resources	Writing materials

### Instructions for teacher

Distribute the question and answer book to students. Discuss the booklet and read through questions. Ensure students understand what is expected. Instruct students they will be completing this task individually.

### Instructions to students

Your parents have bought a game console for the family. Some of your friends at school have given you suggestions for games and you have used a couple of different games when you have been staying at your friend's place. You would now like to buy your own copy of one or two of these games.

All the latest games are advertised for \$89 and you have worked out that you can save \$5 per week from your pocket money.

1. How long would it take to save the money to buy the game? *Show your thinking in the box below.*

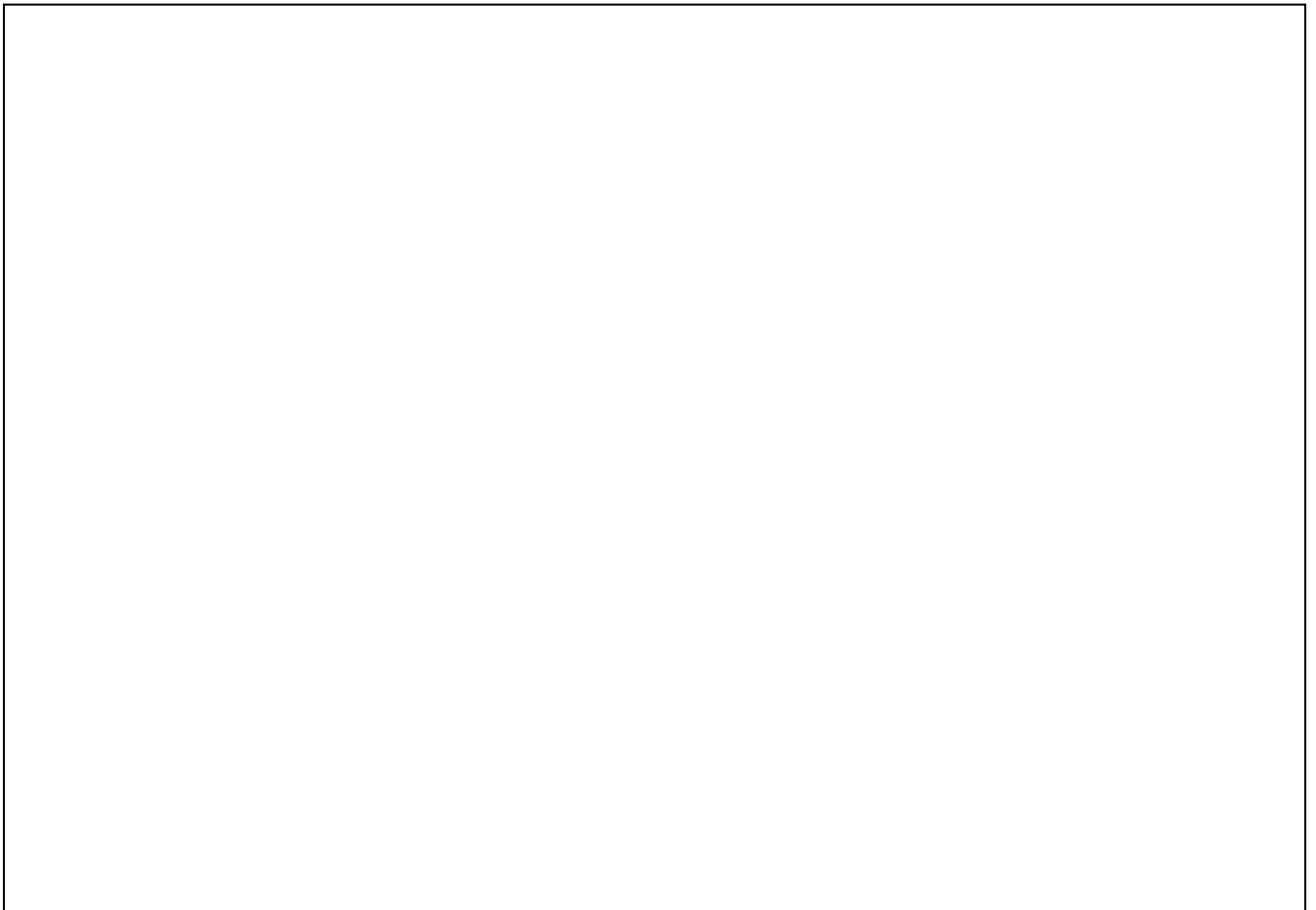
2. If you could save \$6 from your pocket money each week, what is the difference in the time it would take you to save up the amount you need to buy the \$89 game? *Show your thinking in the box below.*

3. Later in the year, you are given a \$45 voucher for your birthday to spend at a games store. You are lucky your birthday is at the same time as a sale. The store is offering a 25% discount on all games.

If the amount you end up having to pay after a discount of 25% is applied is \$66.50, how much have you saved in the sale?

4. If you use your \$45 voucher to buy one game and the discount is 25%, how much do you still need? *Use the box below to show your thinking.*

5. The sale continues for the next four weeks, with all new games now discounted by 30%. You still have your \$45 voucher and you continue to save \$6 per week. Explain, using the box below, whether you will have enough money to be able to buy a new game before the sale ends. Show how you will do this.



## Sample marking key

Description	Marks
Questions 1, 2 and 3: Solves complex problems involving mathematical operations	
Solves the problem and provides a detailed and correct answer, using an appropriate and efficient written method and clearly shows thinking.	3
Solves the problem and provides a correct answer, using an appropriate written method.	2
Solves the problem and provides an answer.	1
<b>Subtotal</b>	<b>3</b>
Description	Marks
Question 4: Applies understanding of percentages to solve a worded problem	
Applies an appropriate and efficient written method to determine correct answer and expresses answer in dollars and cents, using mathematical symbols.	3
Applies an appropriate written method to determine the correct answer and expresses answer in dollars and cents.	2
Applies an appropriate written method to determine answer.	1
<b>Subtotal</b>	<b>3</b>
Description	Marks
Question 5: Solves a complex problem involving mathematical operations, the calculation of percentages and time	
Applies an appropriate and efficient written method to determine the correct answer that contains all elements of the question. Shows detailed and clear evidence of thinking, using mathematical symbols and correct terminology.	3
Applies an appropriate written method to determine correct answer which contains most elements of the question. Shows evidence of thinking, using mathematical symbols and correct terminology.	2
Applies a written method to determine answer; however, this may be incorrect. Shows limited evidence of thinking.	1
<b>Subtotal</b>	<b>3</b>
<b>Total</b>	<b>9</b>