Maths

Fundraising task

Time recommended: 1 hour
Year 5 and 6

Strand:	Number and Algebra
Descriptor:	Money and financial mathematics

- Create simple financial plans (ACMNA106)
- Investigate and calculate percentage discounts of 10%, 25% and 50% on sale items, with and without digital technologies (ACMNA132)

Descriptor:	Number and place value

- Use efficient mental and written strategies and apply appropriate digital technologies to solve problems (ACMNA291)
- Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers (ACMNA123)

Fundraising task

Complete the following tasks in relation to fundraising and percentages for the Rescue Helicopters.

TASK ONE:

No one has ever had to pay to be rescued by the helicopter service, but to keep running it relies heavily on donations from the community.

a) If you earn $10 a week in pocket money and save $4 a week to fundraise for the rescue helicopters, how many weeks will it take to reach your goal of $100?

_____

_____

b) What percentage of your pocket money have you saved?

_____

_____

c) If you save $4 per week, Freddy saves $1 and Monica saves $5 per week, how long will it take you as a team to reach your fundraising goal?

_____

_____

TASK TWO:

Create a budget for your class to save $600 over the next month to donate to the Rescue Helicopters.

a) How many people are in your class?

_____

b) Work out how many weeks are in the next two months.

_____

c) Divide the number of students by the number of weeks to work out how much you each need to raise to reach your fundraising target.

_____

_____

Example: $\dfrac{25 \text{ people}}{5 \text{ weeks}}$ = $5 per week

TASK THREE:

It can cost up to $4,000 for every hour that the helicopter is in the sky.

a) If the helicopter is in the sky for 15 minutes. How much would it cost?

_____

_____

TASK THREE CONTINUED:

b) If the fuel for the helicopter makes up 25% of the total cost to fly the helicopter How much is the fuel for a 15 minute flight?

_____

_____

c) If fuel prices make up 27% of the total cost to fly the helicopter, how much is the fuel for a 1 hour flight?

_____

_____

TASK FOUR:

If your class chose to run a bake sale at the school fete to raise money for the Rescue Helicopters, complete the following math questions to work out the total amount raised.

Using a calculator, work out the following:

Assume your class has 30 people in it. The class then splits into teams of 5 people.

Money raised

a) If team 1 makes a chocolate cake and sells all 8 slices for $4 each, how much do they raise?

_____

b) If team 2 makes a brownie and sells 6 pieces for $3 each how much do they raise?

_____

TASK FOUR CONTINUED:

c) If team 3 makes muffins and sells 10 of them for $3.50 each, how much do they make?

_____

d) If team 4 makes a carrot cake and sells only two pieces for $5, how much do they raise?

_____

e) If team 5 makes chocolate balls and sells 20 for 50 cents each, how much do they raise?

_____

f) If team 6 makes cream donuts and sells 5 at $6 each, how much do they raise?

_____

What is the total amount raised? _____

_____

Expenses

a) Each team purchases a $3 baking packet from the local supermarket. What is the total amount spent by all teams?

_____

b) Each teams offers a parent $5 to use their kitchen for 4 hours to bake the recipe. How much money does that cost in total for the class?

_____

TASK FOUR CONTINUED:

c) The whole class pays one rental fee of $20 to have a stall at the local fair. What are the total expenses incurred?

_____

What is the total profit made from the bake sale (profit = money raised – expenses)?

_____

_____