Mobile phones

Talk about

A lot of people pay a regular phone bill. Some households have a landline phone and many people have a mobile phone. But how are they paid for?

Landline	The bill usually includes the cost of the line rental and the cost of phone calls made.
Mobile phone – contract	The customer agrees to pay a monthly bill for a set time, e.g. a year. Signing up to a contract will give the buyer a set amount of calling minutes, text messages and data per month. If you go over these limits, there is usually an extra charge.
Mobile phone – 'pay as you go'	With this plan, the customer only pays for the units used (minutes, text and data). The unit costs are often higher than with a contract but there are no fixed monthly fees.

Imagine

Rudy is looking for a new phone for himself and one for his granny. He estimates that he will use 500 minutes of calls and 2300 texts but not very much data. His granny only uses the phone to make calls but she likes to have long chats!

Look at the options on the next page. Which of these would be the best options for each of them? Or would another type of phone deal be better for Granny?

Mobile phones

Family Maths Toolkit

	Good value phones	Sparkle phones	Fantastic phones	Top class phones	Out of this world phones
Minutes	400	600	800	900	1000
Texts	2500	1500	2000	3000	Unlimited
Data	100MB	200MB	1GB	500MB	2GB
Price per month	**£12.80**	**£15.50**	**£18.00**	**£19.00**	**£20.75**

Rudy's parents say he could reduce the number of his calls and have the cheapest phone. What do you think?

Apply to real life

Think about any phones there are in your household. What is included in the cost for each and how are they paid? Who contributes to paying the phone costs?

Does everyone have the best value for money? How could you save money?

Family comments:

Child comments:

Curriculum Link

- Use all 4 operations to solve problems involving money
- Use the skills of rounding and estimating up to 3 decimal places
- Key vocabulary – pence, pound, price, cost, spend, pay, budget, expenses, total, amount, cheapest, value for money

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Shopping for a picnic 2

Family Maths Toolkit

Talk about

Suzie and Simon are planning a picnic for their family of 4 people. These are the things they want to take but they only have £10.00 to spend. What choices do they have to make?

Are the offers all good? Do they need that much?

Food	Price	Special offers
Bread rolls	Pack of 4 for £2.00	60p each or 5 for £2.40
Ham	4 slices for £1.60	Large pack of 10 slices for £3.50
Cheese	500g for £3.00	15% off if you buy 2 packs
Apples	Pack of 5 for £1.60 Buy one , get one free	25p each
Flapjacks	19p each Small pack of 5 for 90p	Special offer: Large pack of 12 for £2.40
Orange juice	Bottle 600ml for £4.80	Pack of 5 x 100ml cartons for £2.50
Grapes	500g for £1.75	10% off if you buy 2 packs 25% off if you buy 4 packs
Bar of chocolate	1 bar of 200g for £1.70	Special offer: 4 for £6.90
Water	free	

They have a coupon for 15% off if they spend more than £9. Does that help?

Shopping for a picnic 2

Family Maths Toolkit

Apply to real life

Decide on a budget and plan food for your family for a day out.

Estimate the cost first. Is the total likely to be within the budget you agreed?

Then look in a shop or online and work out the actual cost for your chosen list. Are there any items on special offer – is it worth buying a bigger packet for later? Think about which items you **need** (to eat sensibly) and which you **want** (treats such as cake). Do special offers make things more tempting? Remember offers being advertised may be misleading – but have fun finding real savings!

Tip: round things up or down to estimate
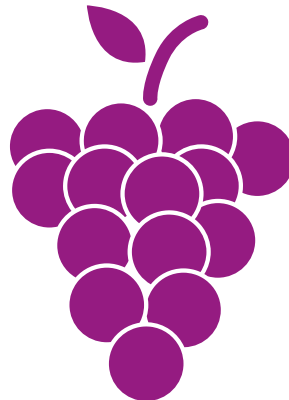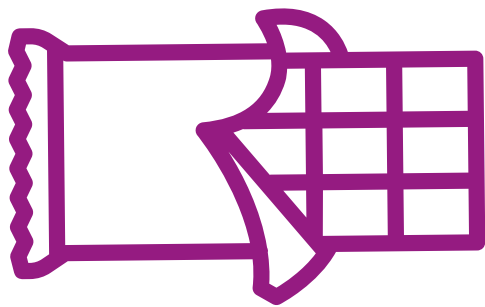
Family comments:

Child comments:

Curriculum Link

- Estimate, compare and calculate money in pounds and pence
- Use all four operations to solve money problems, using decimal notation
- Recognise % and solve problems using percentage
- Use skills of rounding and estimating, including up to 3 decimal places, to solve problems
- Key vocabulary – price, cost, total, save, offers, reduction, budget

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Weekend river study trip

Talk about

Frederick and Zofia are going on a school weekend trip to study a river in summer. They will be staying in a hut and can only take one rucksack for everything they need including food. Water will be provided to drink, but they need to take a lunch, dinner and breakfast to eat.

They have a budget of £30 each. Five people are going so they could pay 20% of toilet rolls and pay for ⅕ of a loaf bread each, for example. Look at the **resource sheet** for their ideas. What would you advise them to take?

Imagine

Imagine you were going on a camp with 3 friends, and mindmap what you **need** and what you would **like**:

Food? Torch? Toilet roll? Hat? Sun cream? Chocolate? How many of each do you need? Would your list be different to Frederick and Zofia's? Estimate the total cost for your list and calculate your budget. Consider these statements:

- This is a wise spending choice because...
- I need this to keep safe because...
- Buying this is being sensible because...
- This is a useful item to take because...
- I could save money by...

Family comments:
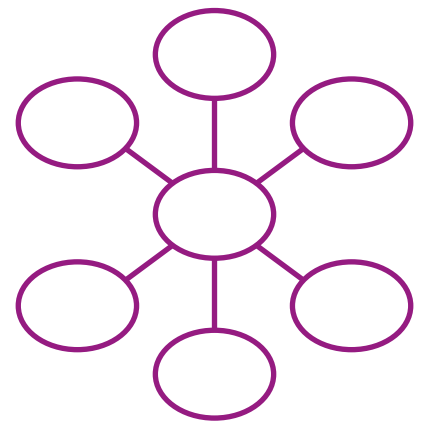
Child comments:

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Weekend river study trip

Resource sheet

Item	Cost
Loaf of bread	59p
Packet soups	29p each or a box of 4 for 82p
Bag of porridge	500g for 65p
Milk	2 pints for 85p
Teabags	£2.15 for 80
Sausages	£2.95 for 8
Eggs	6 for 89p
Tomatoes	18p each or packet of 5 for £1.00
Bananas	Pack of 5 for 69p
Biscuits	Pack for 49p
Tin beans	85p each or a multipack of 4 for £2.90
Packets of crisps	35p each or a multipack of 8 for £2.00
Bar of chocolate	£2.00
Bottle of water	2L for £1.20
Toilet rolls	£2.50 for 4
Torch	£8.49
Sun cream	Travel size £2.75 or large size £8.50
Sun hat	£7.45
Shower gel	£1.90
Toothpaste	Travel size 80p or large tube £2.65
Matches	58p
Magazine	£4.20
Box of plasters	£1.50
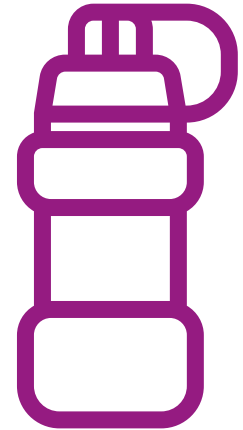
Can take from home

Clothes	No cost
Towel	No cost

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