Monday 8th June 2020

L.O. – To understand the cost of everyday items.

*Parents – Please note that the answers for most problems will be shown on the next slide. Please get your children to answer these prior to moving to next slide.

Problems of the day.

1 Put the fractions into their correct position in the diagram.

$\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{12}$ $\frac{17}{20}$

2 Amy makes a repeating pattern.

What shape will be in the 50th position?

Explain how you know.

Problems of the day.

1 Put the fractions into their correct position in the diagram.

$\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{12}$ $\frac{17}{20}$

2 Amy makes a repeating pattern.

What shape will be in the 50th position?

Explain how you know.

A rectangle will be in the 50th position because the star will be in the 48th as it's a multiple of four, and 2 on from that is the rectangle.

Choices

- When choosing how to spend our money we can always choose to spend more or spend less. Sometime we can even do things which don’t cost anything.
- Over the next few slides you are going to play

‘Spend More or Less’

Once you have made a choice you need a reason for that choice!

The Original
McVitie's
Jaffa Cakes
10
CAKES

OR

ASDA
Smart Price
12 Jaffa Cakes
no hydrogenated fat

ASDA
Smart Price
12 Jaffa Cakes
no hydrogenated fat

TESCO
Non Bio
Laundry Gel
Gentle on sensitive skin
Fast-acting for a quicker wash
18

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Fast-acting for a quicker wash
18

OR

67
WASHES
tough stains
non-bio
Persil
wash booster
PROFESSIONAL
67

HARIBO
Tangfastics

OR

THE NATURAL
CONFECTIONERY CO.
NO ARTIFICIAL COLOURS
NO ARTIFICIAL FLAVOURS
TASTY
JELLY SNAKES
160g
BeTreatwise.net

OR

Choices

Now you have an idea about what you would choose and why.

Now we will have a look at the differences in prices of everyday items.

You are going to guess the prices of high end branded items against supermarket branded items.

Should the price difference be as much as it is?

What do you think the prices are?

£3.50

£2.20

What do you think the prices are?

£145

£39

What do you think the prices are?

50p

£2.00

Discussion

- What are things you are willing to spend more on?
- Were you surprised by the cost of anything?

Task

- Make a list of ten essentials which you think your parents buy every week from the supermarket. Let’s have a look what they cost online.

- What would a ‘luxury’ shop cost?

- What would a budget shop cost?

Tasks

Complete –

- Worksheet.

Please complete the questions in the exercise books you were given. If you cannot print the worksheet then do not worry. Just show all your working out and write the answer under today's date in your books.

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learning@wembleyprimary.brent.sch.uk

Worksheet

Make a list of ten essentials which you think your parents buy every week from the supermarket. Let’s have a look what they cost online.

What would a ‘luxury’ shop cost?

What would a budget shop cost?

Write a paragraph about anything you were shocked about and the choices you would make.

Extra Challenge

Investigate the differences in Supermarket branded items, for example, is ASDA's branded butter any cheaper than Sainburys' branded butter?

Are there any big differences between Supermarket branded items? Are you surprised by any of these?

Tuesday 9th June 2020

L.O. – To illustrate the risks of gambling.

Problems of the day.

1 Three points are marked on the line below.

The distance from A to B is twice the distance from B to C.

The distance from A to B is 15 cm.

What is the distance from A to C?

2 What is the area of the shaded triangle?

Problems of the day.

1 Three points are marked on the line below.

The distance from A to B is twice the distance from B to C.

The distance from A to B is 15 cm.

What is the distance from A to C?

The distance from A to C is 22.5 cm

2 What is the area of the shaded triangle?

The area of the shaded triangle is 30 cm^2

What is gambling?

Is this gambling?

Yes ✓ or ✗ No

You make the choice.

Placing a bet that your favourite sports team will win a game.

Buying add-ons for a computer game.

Entering a free competition to win a family holiday.

Betting your best friend £5 that you can run faster than them.

Buying a raffle ticket to win a prize.

0001

NAME OF SCHOOL/SOCIETY

Name .....

Address .....

.....

.....

.....

Date .....

All counterfoils, monies and unsold tickets to be returned to the promoter by 10th August 2019

NAME OF SCHOOL/SOCIETY

Reg.Charity Number 000000

0001

Prize Draw 2019

1st Prize: 43" Sony Bravia Television
2nd Prize: £50 Gift Card
3rd Prize: Afternoon Tea at the Manor House
Plus many more prizes

The draw will take place on Saturday 14th August 2019 at 2.00pm.

Promoter: Mr Bloggs, Any Town School, High Street, Any Town, AN4 7WN
Registered with Northampton County Council
Printed by www.raffleticketsonline.co.uk

Ticket Price £2.00

Playing Monopoly.

Here are the results.

GAMBLING	NOT GAMBLING
Playing bingo to win money or prizes	Winning a prize at sports day
Playing games at a casino	Buying add-ons in online games
Playing the National Lottery	Voting on a class reward
Buying raffle tickets to win a prize	Winning house points at school
Playing card games online to win money	Entering an art competition to win a prize
Placing a bet that your favourite sports team will win a game	Entering a free competition on the TV to win a holiday
Playing on a claw machine in the arcades	
Betting your best friend £5 that you can run faster than them	

Now you have to make the choice about age limits.

Within the UK, as some countries have different rules, there are laws that govern certain activities.

You have to decide if the activities are for people –

- over the age of 16,
- over the age of 18 or
- if there is no age limit for the activity.

Playing bingo to win money or prizes		
Playing the National lottery*		
Buy raffle tickets to win a prize*		
Playing games at a casino.		
Betting your best friend £5 that you can run faster than them		
Playing card games online to win money		
Playing on a claw machine in the arcades		

Playing bingo to win money or prizes	18 YEARS OLD	
Playing the National lottery*	18 YEARS OLD	The National Lottery is an exception, most other lotteries are restricted to 18 and above. The UK Government are currently considering whether to raise the age limit for the National Lottery to 18.
Buy raffle tickets to win a prize*	16 YEARS OLD	Will depend on the terms and conditions of the organisation holding the raffle, some are 18 and above.
Playing games at a casino.	18 YEARS OLD	
Betting your best friend £5 that you can run faster than them	NO AGE LIMIT	
Playing card games online to win money	18 YEARS OLD	If you go to a betting shop or place the bet online. There's no age limit if you make a bet with a friend or family member though.
Playing on a claw machine in the arcades	NO AGE LIMIT	

Why not try this video, this will also help you understand about gambling.

https://www.bbc.co.uk/newsround/44736452

‘Gambling is when you risk money (or something of value) in a game or a bet in the hope of winning money or a prize.’

What is the turnover of the gambling industry in the UK each day?

a) £5 million

b) £50 million

c) £100 million

d) £110 million

e) £115 million

f) £120 million

What is the turnover of the gambling industry in the UK each day?

a) £5 million

b) £50 million

c) £100 million

d) £110 million

e) £115 million

f) £120 million

What chance does a person have of getting a jackpot payout when playing a slot machine?

a) 1:2

b) 1:6

c) 1:10

d) 1:50

e) 1:600

f) 1:1 million

What chance does a person have of getting a jackpot payout when playing a slot machine?

a) 1:2

b) 1:6

c) 1:10

d) 1:50

e) 1:600

f) 1:1 million

Tasks

Complete –

- Worksheet.

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Worksheet

Tasks

- Think about the reasons why people may choose to gamble.

- What would be the reasons not to gamble?

Write two paragraphs. The first explaining why people choose to gamble. The second should be about the reasons not to gamble.

Extra Challenge

Investigate the gambling capitals of the world. Are you surprised about where they are?

Do you think enough is done by these places to highlight the risks involved in gambling?

What do you think would happen if gambling was made illegal around the world?

Design a poster to highlight the risks involved in gambling that the large casinos could use.

Wednesday 10th June 2020

L.O. – To understand what a budget is.

Problems of the day.

1 Trading cards are sold as single cards or in packs of 5 or 10

- A single card costs 50p
- A pack of 5 cards costs £2
- A pack of 10 cards costs £3.50

Max has £10 to spend.

What is the maximum number of trading cards he can buy?

2 $\frac{2}{5}$ of a number is equal to $\frac{3}{4}$ of a different number.

The smaller of the two numbers is 80

What is the value of the largest number?

Problems of the day.

1 Trading cards are sold as single cards or in packs of 5 or 10

- A single card costs 50p
- A pack of 5 cards costs £2
- A pack of 10 cards costs £3.50

Max has £10 to spend.

What is the maximum number of trading cards he can buy?

The maximum number of trading cards Max can buy is 27

2 $\frac{2}{5}$ of a number is equal to $\frac{3}{4}$ of a different number.

The smaller of the two numbers is 80

What is the value of the largest number?

The largest number is 150

‘If I could save for anything, I would save for…’

- Have a think about the one thing that you could save for.

Discussion – try and have this with an adult

- What do you think the adults in your lives save for?

- Do you think adults only save for things they need or also things they want?

- Do you think it will take the adults a longer or shorter amount of time to save up for the things they need/want? Why?

Daisy

Daisy is 8 years old. She gets **£3.50 a week** pocket money and spends it all each week. Daisy enjoys swimming. She always buys herself sweets after she has been swimming as a treat. Cost = **£1**

Daisy also likes reading. Every Friday she buys a magazine to read over the weekend. Cost = **£2.50**

Daisy wants to save for a birthday present for her friend. The present costs **£12.50**.

Can you create a spending/saving budget so that Daisy can save for her friend's present?

EXT How many weeks will it take Daisy to save for her friend's present?

What could Daisy do to help her save?

What is a budget?

A ‘budget’ is the name we give to the plan we create when deciding how best to spend our money.

We create budgets to help us decide if we will have enough money to do or buy the things that we need and want. In a budget we record how much money we have coming in, we call this income, for example birthday money, pocket money, chores money etc. and we record how much money we might spend, we call this expenditure. We can then decide which things are the most important for us to spend our money on and which things are the least important.

Tasks

Complete –

- Worksheet.

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Worksheet

Task

- You have a monthly income of £2,000

- Make a list of all your needs in a month.

- How much will you spend on your out-goings and will you have anything left at the end of the month? You need to remember –
  - Rent/Mortgage
  - Gas/Electricity Bill
  - Telephone/Mobile Bill
  - Internet charge
  - Groceries
  - Cost of car and the petrol for it.
  - Council Tax

Plus all of the others, there are a lot more!

Extra Challenge

Renting a property is a popular way of living without owning the property you live in. Sometimes young adults do this to get their own space and to become more responsible. Looking at the budget you created today, investigate properties to rent online around London (or England) and see if you could live in that property affordably.

Then, having looked at the results, do you think it would be better to live in your current situation until you are old enough to earn a larger wage or would you attempt to squeeze your budget to allow you to live in your own property?

Thursday 11th June 2020

L.O. – To understand credit and debit cards and tax.

Problems of the day.

1 Complete the missing numbers.

128 x 12 = 128 x 10 + 128 x ☐

128 x 12 = 127 x 12 + ☐

128 x 12 = 128 x 6 x ☐

2 Mark has £150 and Jan has £120

Mark gives Jan some money.

Jan now has twice as much as Mark.

How much money did Mark give Jan?

Problems of the day.

1 Complete the missing numbers.

128 x 12 = 128 x 10 + 128 x [2]

128 x 12 = 127 x 12 + [12]

128 x 12 = 128 x 6 x [2]

2 Mark has £150 and Jan has £120

Mark gives Jan some money.

Jan now has twice as much as Mark.

How much money did Mark give Jan?

Mark gave Jan £60

Do you know the difference?

- What is the difference between a credit card and a debit card?

Credit Card

A credit card will often have the word ‘Mastercard’ written but not always. This card is designed to borrow money directly from your bank to pay for the item you are buying. You will then receive a statement at the end of the month stating how much you owe. You are then expected to pay this in full. Often banks will charge a % of ‘interest’ on purchases made on the card and also apply a % of ‘interest’ to balances that are not paid in full at the end of the month.

Debit Card

A debit card with always have the word ‘debit’ on it. This card is designed to take money directly from your bank account and pay for the item you are buying. There will often be an ‘overdraft’ linked to this card to assist you if are running out of money. Once the ‘overdraft’ has been used this card cannot be used and will not work to purchase anything.

Which is better to use?

Glossary

- Interest – this is a percentage applied to unpaid values that are owed to a bank. For example, if you owed £500 and it was unpaid at the end of the month and the interest rate is 5%, then a £25 charge would be applied to the amount you already owe.
- Overdraft – this is a temporary amount of money that a bank will lend you if you are short of funds that month. This can vary in size depending on how much you spend each month. This should be cleared back to zero at the end of the month or the bank will charge you for borrowing the money.

Situation.

Jameiliah works very hard at a café and regularly brings home £1,600 a month. She does struggle with money as she likes to shop. She has realised that she can get different credit cards from different banks at the same time. She got one credit card from Swiss Bank that has a limit of £600, she got another credit card from Joules Bank for £700 and another credit card from South Bank for £500. She is happy because she can shop whenever she needs to.

Has Jameiliah broken any rules?

Has she made some sensible choices?

Situation.

Jameiliah works very hard at a café and regularly brings home £1,900 a month. She does struggle with money as she likes to shop. She has realised that she can get different credit cards from different banks at the same time. She got one credit card from Swiss Bank that has a limit of £600, she got another credit card from Joules Bank for £700 and another credit card from South Bank for £500. She is happy because she can shop whenever she needs to.

Has Jameiliah broken any rules?

Has she made some sensible choices?

Jameiliah has not broken any rules, as long as she has told all of the other banks that she has the other credit cards. She has made some silly choices though. If she uses all of the credit up on all of her cards then she will have to pay back £1,800 at the end of the month. This would only leave £100 to live on for the rest of the month. This will be impractical for her to do.

What is tax?

What does it do?

What is tax?

Tax is money that people have to pay to the government

What does it do?

The government uses the money it gets from taxes to pay for things. For example, taxes are used to pay for people who work for the government, such as the military and police, provide services such as education and health care, and to maintain or build things like roads, bridges and sewers.

What do I get paid?

Nishka is a police officer who gets paid an annual salary of £24,000 a year. To work out her available funds each month so she can budget we can just simply divide her annual earnings by 12 (12 months in a year). So she will have £2,000 placed in her bank every month by her employer.

Is this correct?

What do I get paid?

Nishka is a police officer who gets paid an annual salary of £24,000 a year. To work out her available funds each month so she can budget we can just simply divide her annual earnings by 12 (12 months in a year). So she will have £2,000 placed in her bank every month by her employer.

Is this correct?

Wrong! £24,000 is her annual salary but in the UK we have a national tax rate of around 20%. So tax is taken directly from her wages and then the final balance after tax is then spread across the year.

Therefore,

£24,000 – 20% = £24,000 - £4,800 = £19,200

£19,200 ÷ 12 months = £1,600 per month.

Nishka should set her budget for £1,600 per month.

(There can also be other items discounted to wages, feel free to ask an adult about these too)

Tasks

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Worksheet

Purchase	Cost	Interest	How much will you pay in total?
		10%	
		12%	
		17.9%	
		5000%	

What do things cost?

Do you know how much things cost? See if you can estimate the approximate cost of the following things.

Cost £ .....

Cost £ .....

Cost £ .....

Cost £ .....

Cost £ .....

Cost £ .....

Borrowing money can enable us to buy things even if we don't have the money to pay for them now.

1. Do you think it is a good idea to borrow money? Explain your reasons.

.....

2. Why can being in debt be a problem?'

.....

Once you've estimated the prices, see if you can find the true prices online. How far out were you? Has this given you a better understanding of how much things cost?

Extra Challenge

Investigate credit cards and see if you can find the lowest interest rate credit card.
Can you find the highest rate also?

What do banks do to try and get you to have a credit card with them? Do you think this is right?
Do you think the banks lose any money when they give someone a credit card?

Friday 12th June 2020

L.O. –.

This is the opportunity to use the knowledge that you have learnt throughout the week to use in an investigation.

This is a great chance for you to challenge yourself and ask yourself questions to push your understanding further.

Problems of the day.

1 Here are some scales.

Which is the heavier box, A or B?

Explain your answer.

2 A shop sells these fruits.

Strawberries
£2.20 per $\frac{1}{2}$ kg

Cherries
£3.50 per $\frac{1}{4}$ kg

Megan buys

- 2 kg of strawberries and
- 750 grams of cherries

How much does she spend in total?

Problems of the day.

1 Here are some scales.

Which is the heavier box, A or B?

Explain your answer.

Box B must be heavier because 10 kg is heavier than 25g but the scales are balanced.

2 A shop sells these fruits.

Strawberries
£2.20 per $\frac{1}{2}$ kg

Cherries
£3.50 per $\frac{1}{4}$ kg

Megan buys

- 2 kg of strawberries and
- 750 grams of cherries

How much does she spend in total?

Megan spends £19.30 in total.

Tasks

Complete –

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Worksheet

How Much Did it Cost?

Dan bought a packet of crisps and an ice cream.

The cost of both of them together is in one of the boxes below.

£1.85	75p	£1.74	£2.25	£1	£1.56
£2.10	80p	£1.80	£3.06	£1.44	£1.50
£1.60	£1.25	£1.20	90p	£1.45	£1.27

Use these clues to find out how much he paid:

1. You need more than three coins to make this amount.
2. There would be change when using the most valuable coin to buy them.
3. The crisps cost more than 50p.
4. You could pay without using any copper coins.
5. The ice cream costs exactly twice as much as the crisps.