4a. £15.50

4b. £32.25

8a. £31

8b. £67.50

12a. It is £4.68 cheaper to buy a family ticket than tickets for 2 adults and 2 children

12b. Altogether, the tickets would cost £29.30.

LESSON 2

Tabitha loves to buy cookies for her friends.

| 25p per cookie | 5 for £1.50 | 10 for £2.20 |

She plans to buy 30 cookies to share with her friends, so she decides to buy her cookies in packs of 5. Do you agree with her decision? Explain your answer.

Draw diagrams to help you.

You could use times table facts.

1a. Sunil loves biscuits.

30p per biscuit	5 pack for £1

He plans to host a tea party, so decides to buy 10 individual biscuits. Do you agree with his decision?
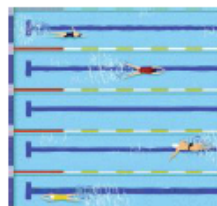Explain your answer.

1b. Donna loves to swim.

£2 per swim	Weekly multi-pass £10

She plans to go swimming 3 times next week, so decides to buy a weekly multi-pass. Do you agree with her decision? Explain your answer.

4a. Martha loves to hold cake parties.

45p per cake	20 for £3.60

5 for £1.20

She plans to buy 25 cakes for her next party, so she decides to buy her cakes in packs of 5. Do you agree with her decision? Explain your answer.

4b. Harry loves to watch movies at the cinema.

£5.75 per ticket	Monthly multi-pass £25

Harry plans to go to the cinema 4 times in the next month, so decides to buy a multi-pass. Do you agree with his decision? Explain your answer.

7a. Henry and Penny love hosting parties.

50 balloons in a pack. £3.99	
100 balloons in a pack. £6.99	20 balloons in a pack. £1.99 BUY 1 GET 1 FREE

They need 150 balloons for their next party. Penny thinks she will save £2 by buying the balloons in packs of 50. Do you agree? Explain your answer.

7b. Sarah and Bobby like to exercise at the gym.

Weekdays £4.55 per class	
Weekends £5.45 per class	Weekly Multi-pass £12.50

Sarah goes to the gym each Monday, Wednesday and Saturday. Bobby goes each Monday, Tuesday and Friday. Sarah says she will save £2.05 more than Bobby if they both get a multi-pass. Do you agree? Explain your answer.

1a. No. Sunil should buy the biscuits in packs of 5. 2 x £1 = £2 compared to 10 x 30p = £3.00.

1b. No. Donna should pay for each swimming session. 3 x £2 = £6 compared to the £10 for the weekly pass.

4a. No. Martha should buy a pack of 20 and a pack of 5 which would cost £4.80. Buying in packs of 5 would cost £6.00 and buying them individually would cost £11.25.

4b. No. Harry should pay for each cinema visit. 4 x £5.75 = £23 compared to the £25 for the monthly pass.

7a. No. Penny should buy the balloons on the buy one get one free offer. This would cost her £7.96 compared to £11.97 by buying in packs of 3, or buying a 100 pack and a 50 pack which would cost £10.98.

7b. No. Sarah attends a weekend class, which is 90p more expensive than a weekday class. Bobby doesn't attend a weekend class. Sarah will save 90p more than Bobby, not £2.05.

Have a go at writing some problems like this.
Show how your own questions are worked out.

LESSON 3

At the bakery, Hernant spent £4 altogether.

What could she have bought?

Find more than one possibility.

Granary Loaf	Hot Cross Bun	Baguette	Soda Bread
£1.50	£0.50	£1	£2

£1.50   £0.50   £1   £2

Option	Granary loaf	Hot Cross Bun	Baguette	Soda Bread	Total
1	0	0	0	2	£4
2	0	0	2	1	£4
3	0	4	0	1	£4

2a. At the snack bar, Sonny spent £1 altogether.

Nachos   Crisps   Cola

25p   20p   50p

What could he have bought?

PS

2b. At the toy shop, Marley spent £5 in total.

Jigsaw   Aeroplane   Trumpet

£1   £3   £2

What could he have bought?

PS

5a. At the fruit shop, Daniel spent £2 altogether.

Pear   Pineapple   Grapes   Melon

£0.25   £1.25   £0.40   £0.75

What could he have bought?

PS

5b. At the toy shop, Maddison spent £4 in total.

Yoyo   Rubber Duck   Train   Teddy

£0.24   £0.40   £1.20   £2.40

What could she have bought?

PS

8a. Look at the amounts below.

£16.92	£19.57	£17.71	£10.04
115p	£14.38	£16.25	£4.61
79p	£3.39	308p	£9.96
£3.75	43p	£8.85	562p

How many different combinations make £20?

PS

8b. Look at the amounts below.

£9.23	£12.56	£19.99	£8.01
£10.01	£23.76	£24.57	£24.47
553p	£20.77	624p	£5.43
£14.22	£10.11	57p	£21.99

How many different combinations make £30?

PS

2a. Various possible answers, including:
2 cola; 4 nachos; 5 crisps; or 2 nachos + 1 cola.

2b. Various possible answers, including:
5 jigsaws; 1 aeroplane + 2 jigsaws; 1 aeroplane + 1 trumpet.

5a. Various possible answers, including:

Pear	Pineapple	Grapes	Melon	Total
2	0	0	2	£2
0	1	0	1	£2
3	1	0	0	£2

5b. Various possible answers, including:

Yoyo	Rubber Duck	Train	Teddy	Total
10	1	1	0	£4
0	10	0	0	£4
15	1	0	0	£4

8a. Various possible answers, including:

562p	£14.38	£20
£19.57	43p	£20
£3.75	£16.25	£20
308p	£16.92	£20

8b. Various possible answers, includ

£9.23	£20.77	£30
£23.76	624p	£30
£19.99	£10.01	£30

Problem Solving 2

Carice buys three sunflowers and two tulips.
She pays with £10.

Sunflower

Tulip

£1.50

£2.50

How much change will she receive?

Remember to calculate the total amount first. Then find the change.

How much change will she receive?
50p

3a. Maggie buys two cucumber slices and a carrot stick. She pays £1.

Cucumber Slices
20p

Carrot Sticks
40p

How much change will she receive?

D

PS

3b. Saif buys two dairy milk bars and a bag of chocolate eggs. He pays with a £10 note.

Dairy Milk
£3

Chocolate Eggs
£2

How much change will he receive?

D

PS

6a. Elodie buys three candy canes and two lollipops. She pays with a £5 note.

Candy Cane
£0.30

Lollipop
£0.40

How much change will she receive?

E

PS

6b. Rupert buys five pencils and two pens. He pays £6.

Pencil
£0.25

Pen
£1.25

How much change will he receive?

E

PS

9a. John buys seven apples and twelve oranges. He pays with four £2 coins.

Apples
£0.45

Oranges
25p

How much change will he receive?

GD

PS

9b. Adelina buys three doll sized hats and four pairs of doll sized gloves. She pays with two £5 notes.

Hats
£1.20

Gloves
£0.85

How much change will she receive?

GD

PS

3a. 20p   **3b.** £2

6a. £3.30   **6b.** £2.25   **9a.** £1.85   **9b.** £3

Remember to practise times tables.
Learn the division facts , also.
For example: 3 x 6 = 18   18 $\div$ 6 = 3

EXTRA : Design a menu with prices. It could be a tea room, an ice cream parlour or a pizza place.
Ask your household members to choose a number of items and calculate the totals.

Puzzle time

Tricky twenty triangle

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

8

Put the numbers in the boxes below so that each side of the triangle adds up to 20.

9

Hi!