

# Open Morning Focus: Maths

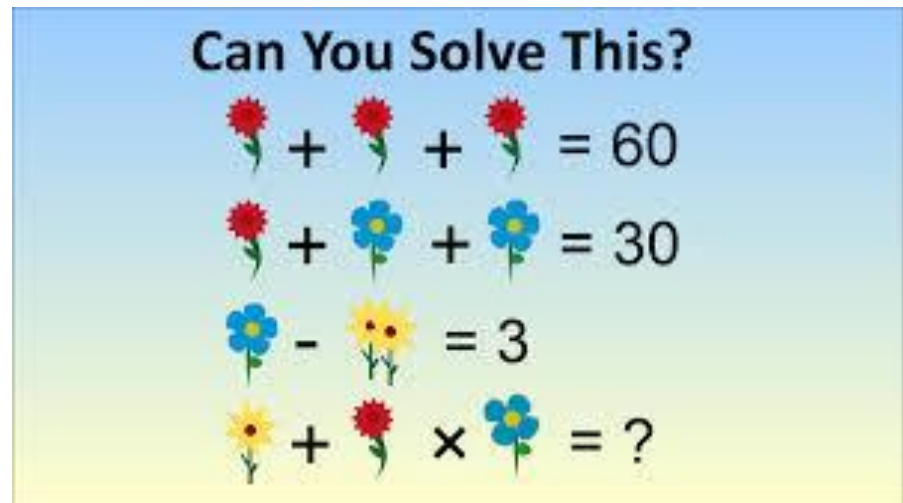
6<sup>th</sup> December 2018

# Aim

- To develop the parents' understanding and developing skills to support problem solving at home
- **National curriculum aim:**

Pupils can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

*Warm up for parents:  
play loop game*



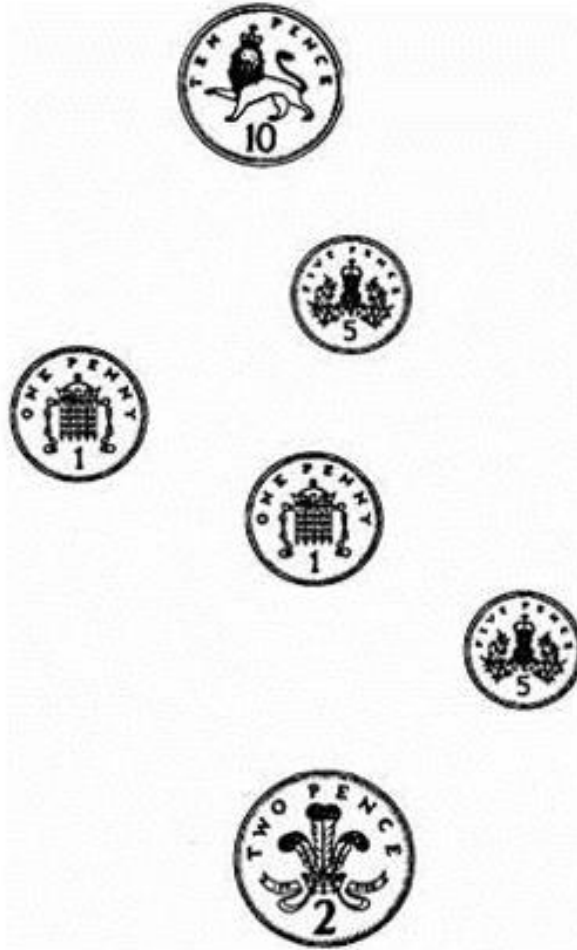
# Times tables

- 2020 Year 4 national test
- Rockstar app
- Rote learning – lessen the stress on the working memory
- By year 2: 2, 3, 5 and 10
- 5 times table links with a clock face
- <http://www.timestables.me.uk/>
- <https://www.topmarks.co.uk/maths-games/hit-the-button>

Times Tables 1 to 12			
<b>1 times table</b> 1 x 1 = 1 2 x 1 = 2 3 x 1 = 3 4 x 1 = 4 5 x 1 = 5 6 x 1 = 6 7 x 1 = 7 8 x 1 = 8 9 x 1 = 9 10 x 1 = 10 11 x 1 = 11 12 x 1 = 12	<b>2 times table</b> 1 x 2 = 2 2 x 2 = 4 3 x 2 = 6 4 x 2 = 8 5 x 2 = 10 6 x 2 = 12 7 x 2 = 14 8 x 2 = 16 9 x 2 = 18 10 x 2 = 20 11 x 2 = 22 12 x 2 = 24	<b>3 times table</b> 1 x 3 = 3 2 x 3 = 6 3 x 3 = 9 4 x 3 = 12 5 x 3 = 15 6 x 3 = 18 7 x 3 = 21 8 x 3 = 24 9 x 3 = 27 10 x 3 = 30 11 x 3 = 33 12 x 3 = 36	<b>4 times table</b> 1 x 4 = 4 2 x 4 = 8 3 x 4 = 12 4 x 4 = 16 5 x 4 = 20 6 x 4 = 24 7 x 4 = 28 8 x 4 = 32 9 x 4 = 36 10 x 4 = 40 11 x 4 = 44 12 x 4 = 48
<b>5 times table</b> 1 x 5 = 5 2 x 5 = 10 3 x 5 = 15 4 x 5 = 20 5 x 5 = 25 6 x 5 = 30 7 x 5 = 35 8 x 5 = 40 9 x 5 = 45 10 x 5 = 50 11 x 5 = 55 12 x 5 = 60	<b>6 times table</b> 1 x 6 = 6 2 x 6 = 12 3 x 6 = 18 4 x 6 = 24 5 x 6 = 30 6 x 6 = 36 7 x 6 = 42 8 x 6 = 48 9 x 6 = 54 10 x 6 = 60 11 x 6 = 66 12 x 6 = 72	<b>7 times table</b> 1 x 7 = 7 2 x 7 = 14 3 x 7 = 21 4 x 7 = 28 5 x 7 = 35 6 x 7 = 42 7 x 7 = 49 8 x 7 = 56 9 x 7 = 63 10 x 7 = 70 11 x 7 = 77 12 x 7 = 84	<b>8 times table</b> 1 x 8 = 8 2 x 8 = 16 3 x 8 = 24 4 x 8 = 32 5 x 8 = 40 6 x 8 = 48 7 x 8 = 56 8 x 8 = 64 9 x 8 = 72 10 x 8 = 80 11 x 8 = 88 12 x 8 = 96
<b>9 times table</b> 1 x 9 = 9 2 x 9 = 18 3 x 9 = 27 4 x 9 = 36 5 x 9 = 45 6 x 9 = 54 7 x 9 = 63 8 x 9 = 72 9 x 9 = 81 10 x 9 = 90 11 x 9 = 99 12 x 9 = 108	<b>10 times table</b> 1 x 10 = 10 2 x 10 = 20 3 x 10 = 30 4 x 10 = 40 5 x 10 = 50 6 x 10 = 60 7 x 10 = 70 8 x 10 = 80 9 x 10 = 90 10 x 10 = 100 11 x 10 = 110 12 x 10 = 120	<b>11 times table</b> 1 x 11 = 11 2 x 11 = 22 3 x 11 = 33 4 x 11 = 44 5 x 11 = 55 6 x 11 = 66 7 x 11 = 77 8 x 11 = 88 9 x 11 = 99 10 x 11 = 110 11 x 11 = 121 12 x 11 = 132	<b>12 times table</b> 1 x 12 = 12 2 x 12 = 24 3 x 12 = 36 4 x 12 = 48 5 x 12 = 60 6 x 12 = 72 7 x 12 = 84 8 x 12 = 96 9 x 12 = 108 10 x 12 = 120 11 x 12 = 132 12 x 12 = 144

# Money Y2

Kay has these coins.

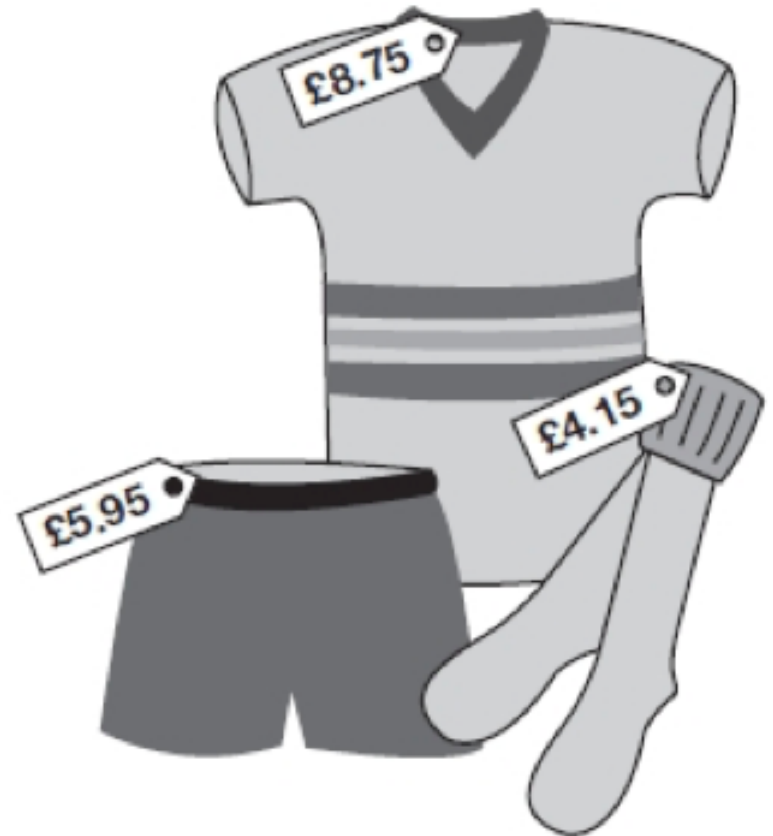


How much money has she altogether?

# Money Y3/4

The table shows the cost of a new football kit.

Item	Cost
Shirt	£8.75
Shorts (1 pair)	£5.95
Socks (1 pair)	£4.15

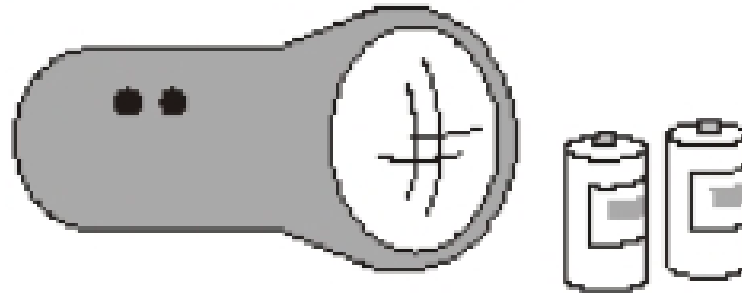


Altogether, how much does the complete football kit cost?

# Money Y5/6

A torch costs £7.65

Kate buys a torch and **two** batteries.



She pays £8.75 altogether.

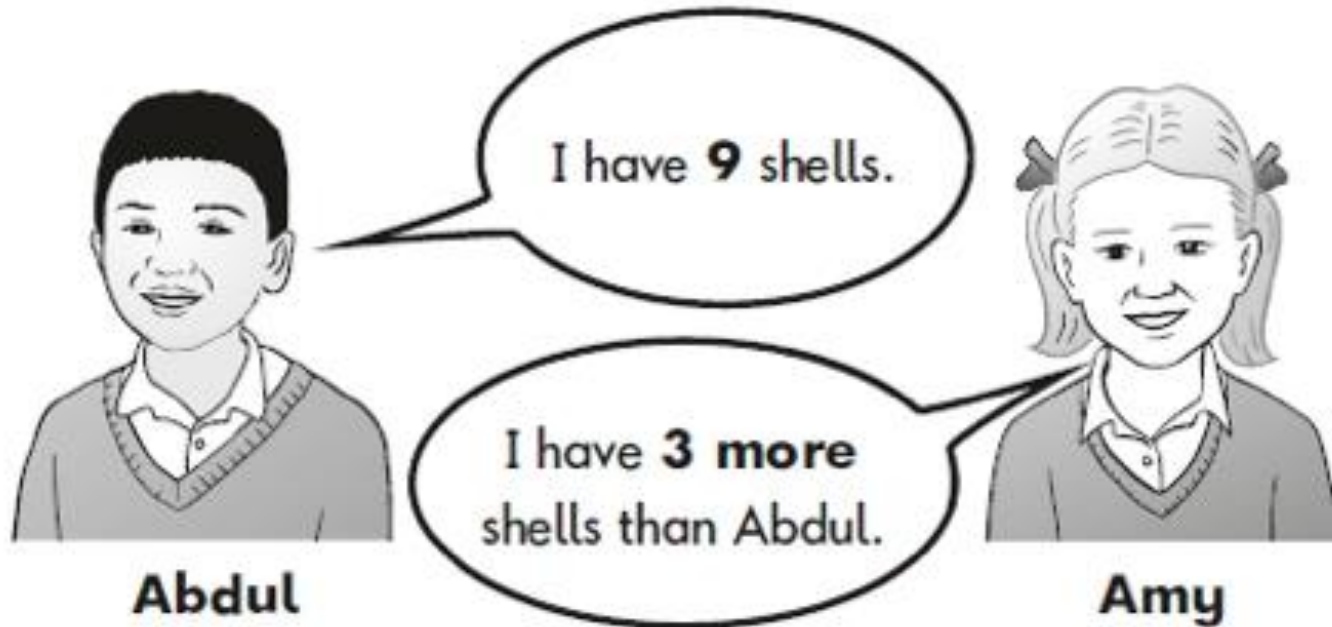
How much does **one** battery cost?

# Helping your child: money problems

- Use real money
- Recognise coins
- Estimate
- Round
- Calculate cost (e.g. how many will two of these cost?)



# Real Life Problems Y2



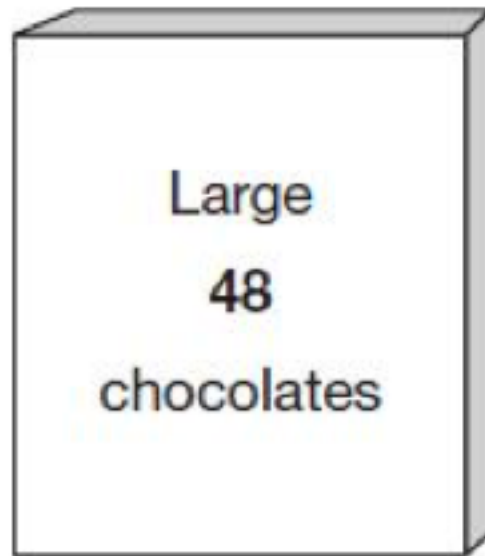
How many shells does Amy have?



# Real Life Problems Y3/4

Ken buys 3 large boxes and 2 small boxes of chocolates.

Each large box has 48 chocolates. Each small box has 24 chocolates.



How many **chocolates** did Ken buy altogether?

# Real Life Problems Y5/6



Mina has **5 more** marbles than Kirsty.

Kirsty has **2 more** marbles than Seb.

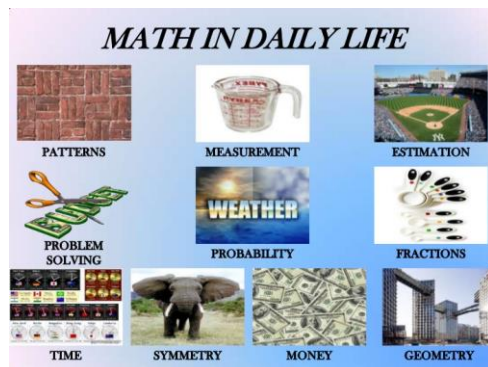
Altogether they have **30** marbles.

How many marbles does each child have?



# Helping your child: Real Life Problems

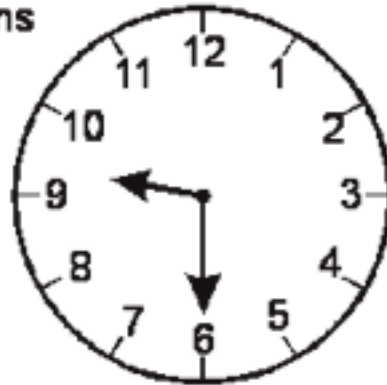
- real 'problems' at home (How many knives and forks will we need for dinner?) Discussing
- Understanding remainders
- Understand the language (vocabulary)
- Checking the answer – Will it work in real life?
- Understand the language (vocabulary)



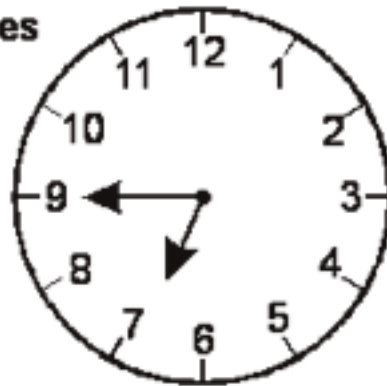
# Time Y2

## Swimming Pool

Opens



Closes



At what time does the pool open?

# Time Y3/4



Holly takes **half an hour** to walk from home to school.

She arrives at school at 8:25am.

At what time did she leave home?

# Time Y5/6

This table shows the opening times of a pet clinic.

  Pet Clinic  	
Monday	10am to 4:30 pm
Tuesday	10am to 4:30 pm
Wednesday	Closed all day
Thursday	10:30am to 2:30 pm
Friday	1pm to 6:30 pm
Saturday	10am to 5:30 pm
Sunday	Closed all day

How many hours is the clinic open on Thursday?

# Helping your child: Time problems

- Read o'clock and digital clock times
- Begin with hour, then half hours
- Understanding the vocabulary that is used



# Thank you

