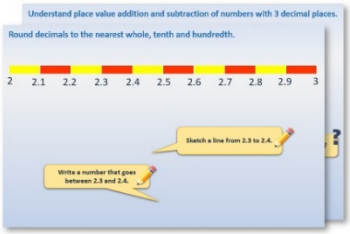
Week 12, Day 1

Subtract amounts of money by counting up

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**.
   They come from our *PowerPoint* slides.



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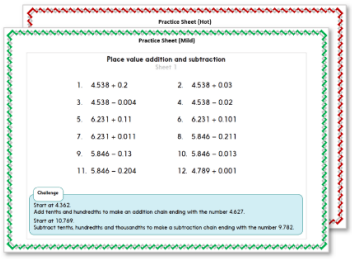
2. Tackle the questions on the **Practice Sheet**.
   There might be a choice of either Mild (easier) or Hot (harder)!
   Check the answers.



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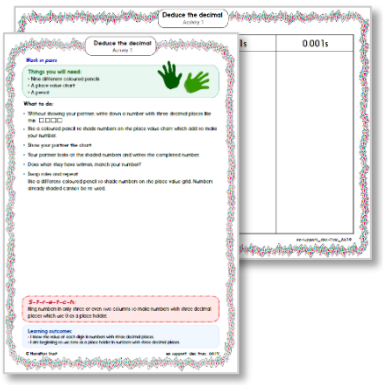
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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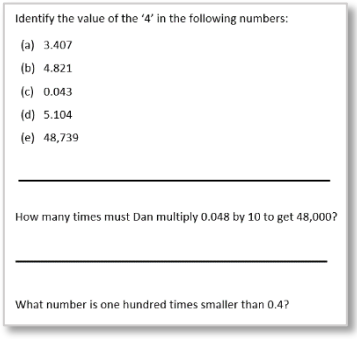
4. Have I mastered the topic? A few questions to **Check your understanding**.
   Fold the page to hide the answers!

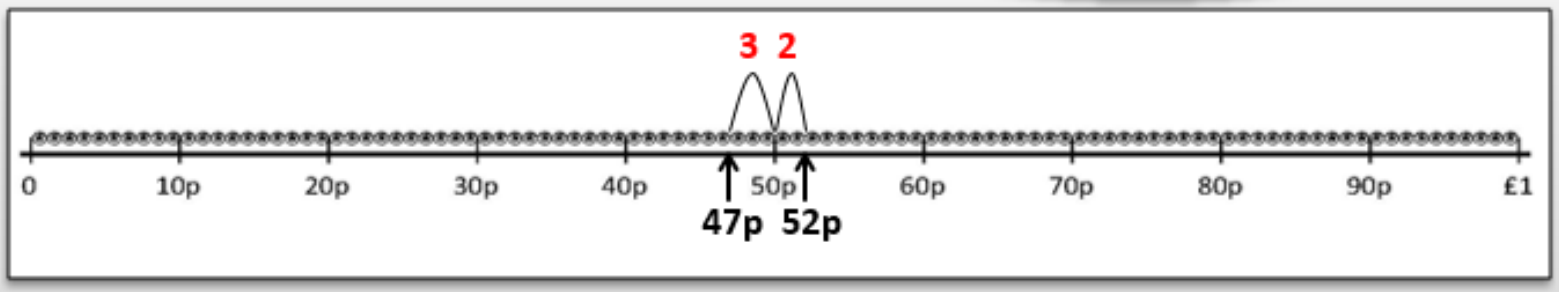


Learning Reminders

Subtract 2-digit amounts of money by counting up.

I have 52p and want to spend 47p on a can of soup for lunch. How much will I have left?

47 and 52 are quite close on our penny number line so it is probably best to count up to find the difference.



What is the difference between 47 and 50?

What is the difference between 50 and 52?

How much money is left? What subtraction number sentence can we write?

52p - 47p = 5p

52p subtract 47p equals 5p.

Learning Reminders

Subtract 2-digit amounts of money by counting up.

Today I've got £63 in my purse, and my shopping comes to £56. How much will I have left?

63 and 56 are quite close on our pounds number line so let's count up to find the difference between them.

What is the size of the hops? What number facts can you use?

What is the difference between £63 and £56?

£63 - £56 = £7

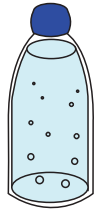
What subtraction number sentence can we write?

£63 subtract £56 equals £7.

Practice Sheet Mild

Café drinks

Find the difference in cost between these pairs of drinks. Count up on a penny line to help.



Sparkling water 48p

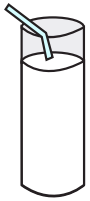
Orange juice 39p

48p - 39p =

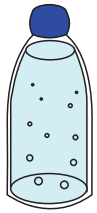
Tea 76p

Hot chocolate 68p

48p - 39p =



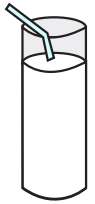
Milk 55p



Sparkling water 48p

55p - 48p =

Hot chocolate 68p



Milk 55p

55p - 48p =

Strawberry milkshake 79p

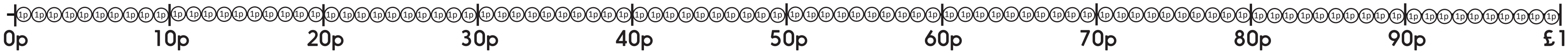
Hot Chocolate 68p

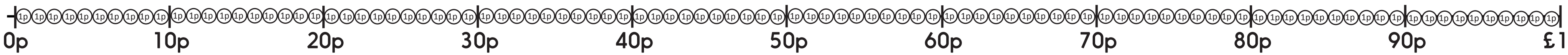
79p - 68p =

Challenge

Find the difference between the most expensive drink and the cheapest drink.

0 to £1 penny lines

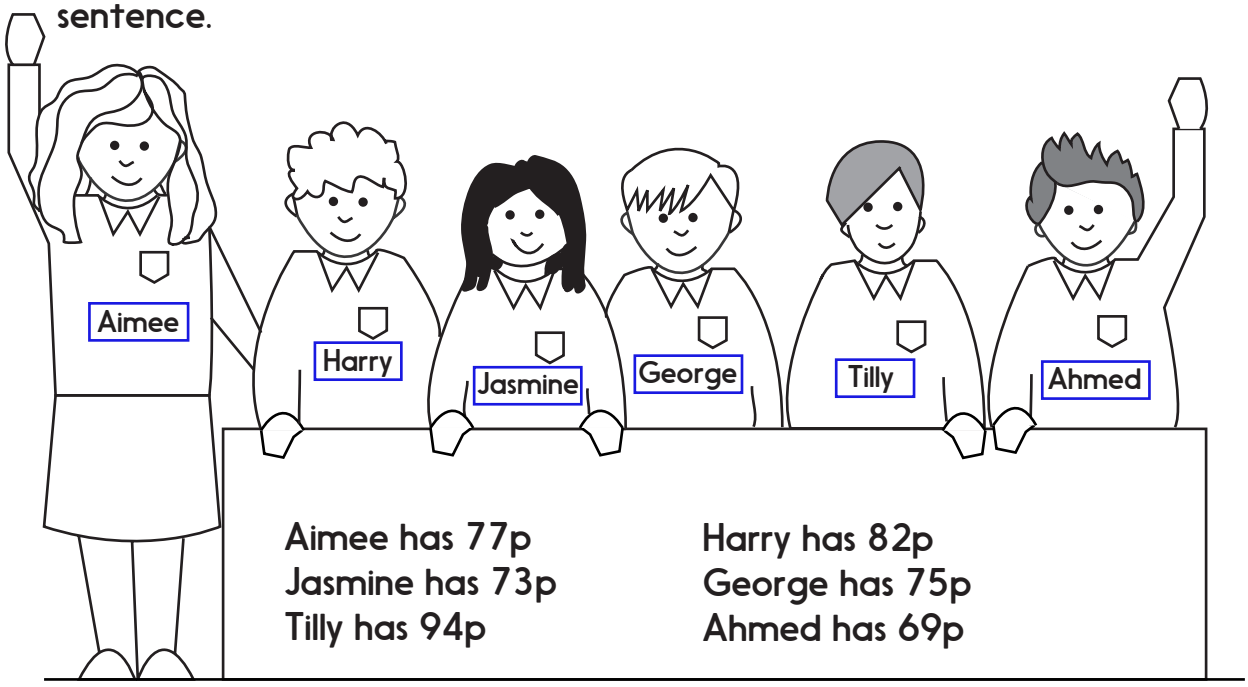




Practice Sheet Hot

How much money is left?

Choose a drink for each person to buy and work out how much money they will have left. Record your calculation as a subtraction sentence.

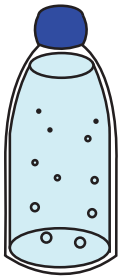


Aimee has 77p
Jasmine has 73p
Tilly has 94p

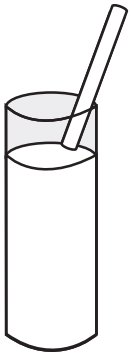
Harry has 82p
George has 75p
Ahmed has 69p

Orange juice: 39p

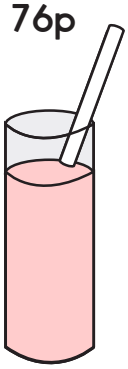
Tea: 76p



Sparkling water: 48p



Milk: 55p



Strawberry milkshake: 79p

Hot chocolate: 68p

Challenge

What is the largest amount of money that any person could have left over?
What is the smallest amount?

Practice Sheet Answers

Practice Sheet (Mild)

48p – 39p = 9p
76p – 68p = 8p
55p – 48p = 7p
68p – 55p = 13p
79p – 68p = 11p

Challenge

79p – 39p = 40p

Practice Sheet Answers

Practice sheet (Hot)

Aimee:
77p - 39p = 38p
77p - 76p = 1p
77p - 48p = 29p
77p - 55p = 22p
77p - 68p = 9p

She cannot afford a milkshake for 79p

Harry:
82p - 39p = 43p
82p - 76p = 6p
82p - 48p = 34p
82p - 55p = 27p
82p - 79p = 3p
82p - 68p = 14p

Jasmine:
73p - 39p = 34p
73p - 48p = 25p
73p - 55p = 18p
73p - 68p = 5p

She cannot afford tea (76p) or a milkshake (79p).

George:
75p - 39p = 36p
75p - 48p = 27p
75p - 55p = 20p
75p - 68p = 7p

He cannot afford tea (76p) or a milkshake (79p).

Tilly:
94p - 39p = 55p
94p - 76p = 18p
94p - 48p = 46p
94p - 55p = 39p
94p - 79p = 15p
94p - 68p = 26p

Ahmed:
69p - 39p = 30p
69p - 48p = 21p
69p - 55p = 14p
69p - 68p = 1p

He cannot afford tea (76p) or a milkshake (79p).

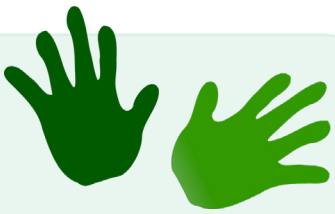
Challenge

55p is the largest amount left over (Tilly buys orange juice).
1p is the smallest amount left over (Ahmed buys hot chocolate).

A Bit Stuck?
Tall towers

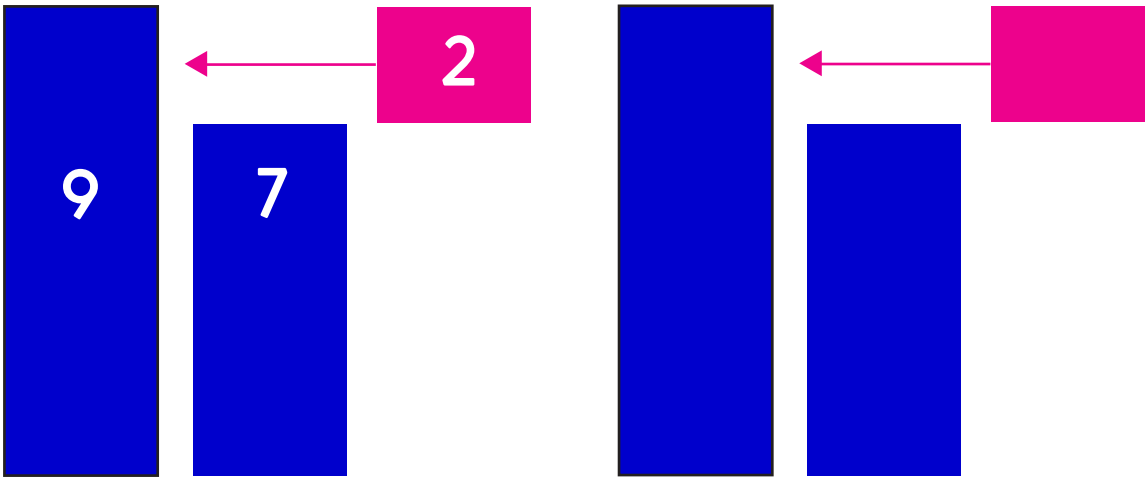
Work in pairs

Things you will need:
- Cubes
- 6-15 number cards
- A pencil



What to do:

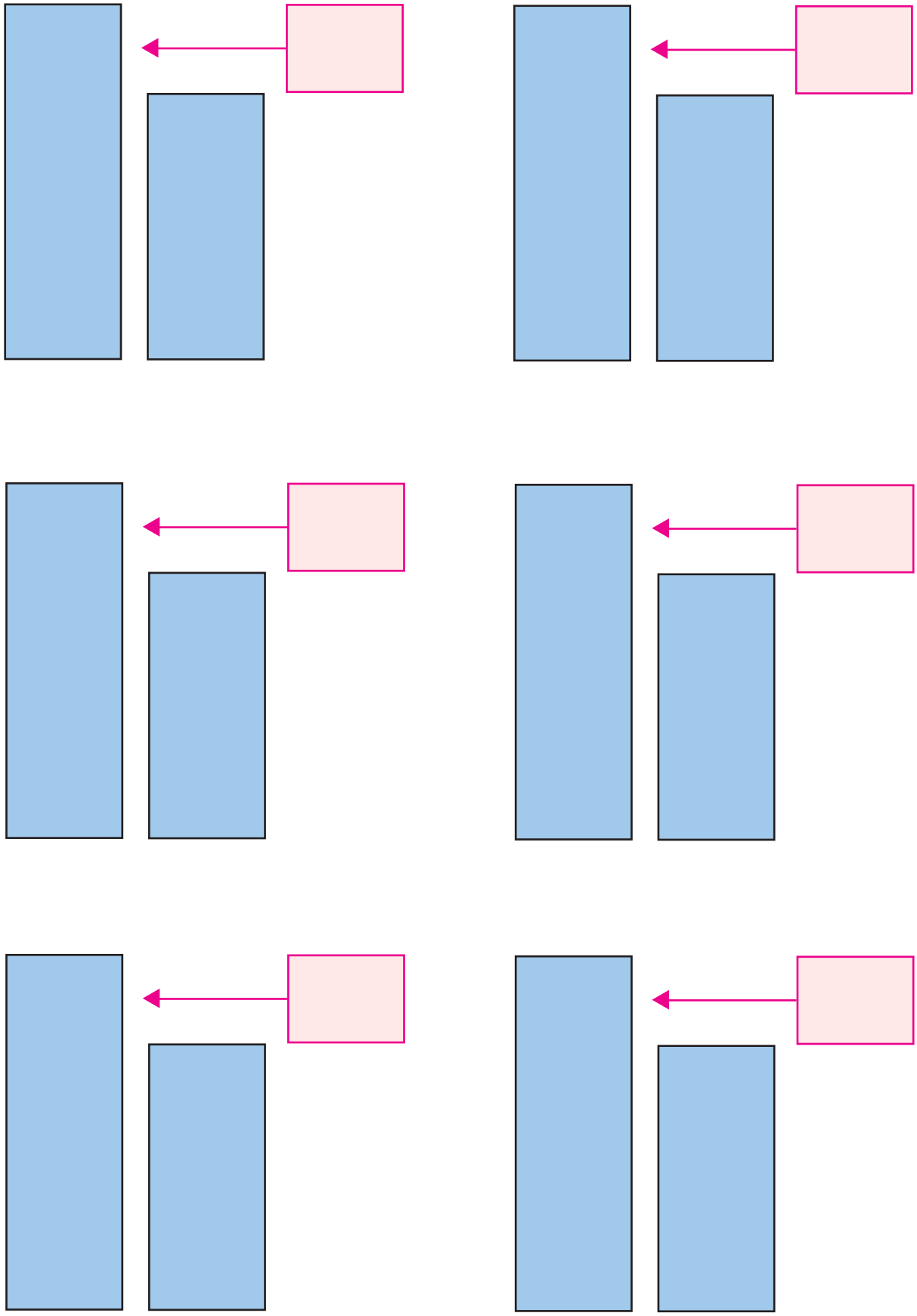
- Shuffle the number cards.
  Place face down in a pile.
- Take the top card.
  Build a tower using that number of cubes.
- Your partner does the same.
- What is the difference between your two towers?
  Write the three numbers in one of the pictures.
- Repeat with other pairs of cards.



S-t-r-e-t-c-h:
Make a pair of towers with a difference of 3 cubes.
Write down the pair of numbers.

Learning outcomes:
- I can find a difference between pairs of towers.
- I am beginning to find pairs of towers with a given difference.

A Bit Stuck?
Tall towers



A Bit Stuck?
Tall towers

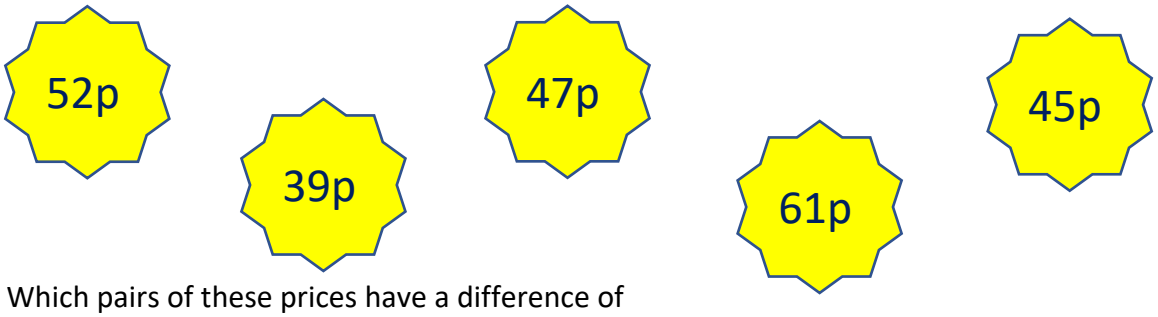
6	7	8	9	10
11	12	13	14	15

Check your understanding:

Questions

Find the change from 50p if I spend 38p using a 0-50 penny line.

Please provide the penny line.



Which pairs of these prices have a difference of

a) 8p
b) 9p
c) 6p
d) 5p?

Fold here to hide answers:

Check your understanding:

Answers

Find the change from 50p if I spend 38p using a 0-50 penny line.

12p Count up 2p from 38p to 40p then 10p more.

Which pairs of these prices have a difference of

a) 8p 39p and 47p
b) 9p 52p and 61p
c) 6p 39p and 45p
d) 5p? 47p and 52p