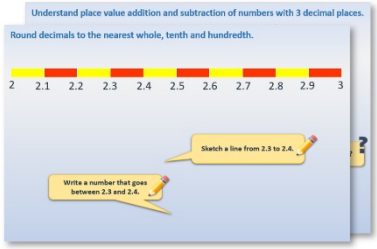
Year 1: Week 2, Day 1
Making money amounts

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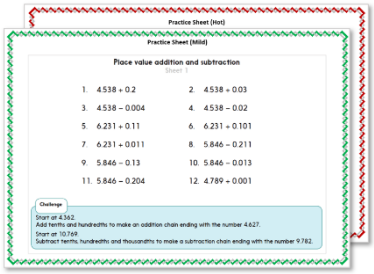
2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.



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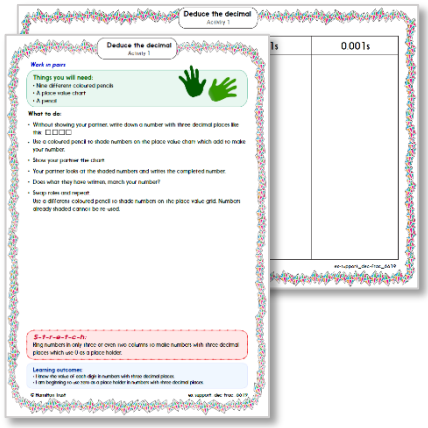

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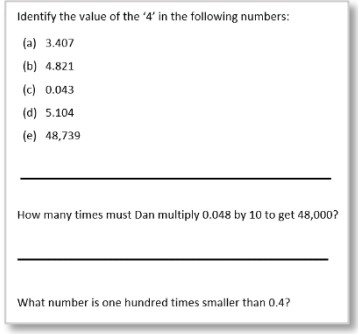
4. Have I mastered the topic? A few questions to **Check your understanding**.
Fold the page to hide the answers!



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Learning Reminders

Find ways to pay amounts up to 20p.

Which coins could you use to pay?

\+

10p + 1p = 11p

Any other suggestions? ?

5p + 5p + 1p = 11p

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Learning Reminders

Find ways to pay amounts up to 20p.

Which coins could you use to pay?

10p + 1p + 1p = 12p

10p + 2p = 12p

Any other suggestions?

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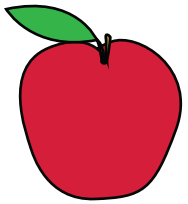
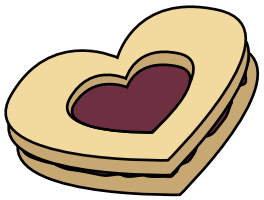
Practice Sheet Mild

Prices

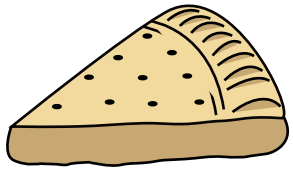
Draw around coins to show how to pay for each item.



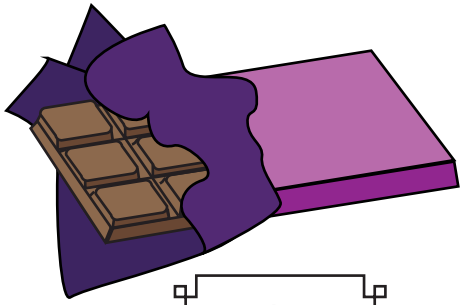
10p



1p



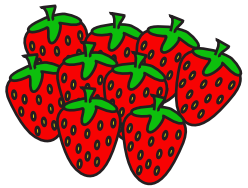
6p



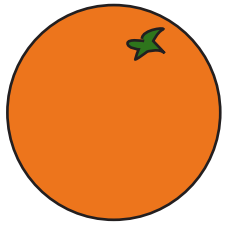
4p

3p

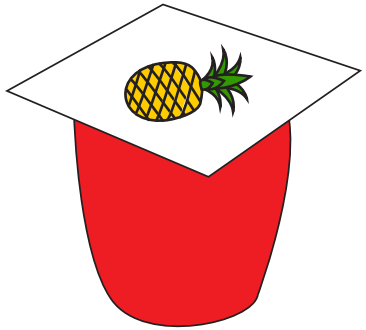
8p



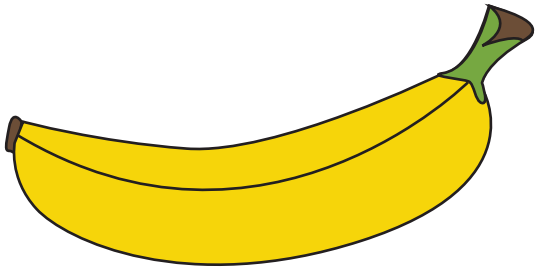
7p



5p



2p



9p

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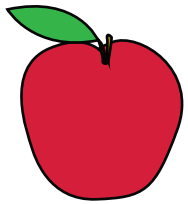
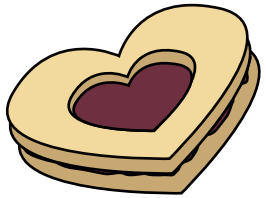
Practice Sheet Hot

Prices

Draw around coins to show how to pay for each item.
Use as few coins as possible.

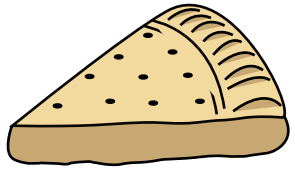


4p

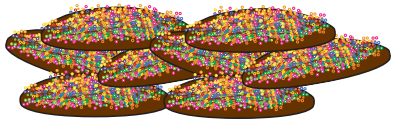


8p

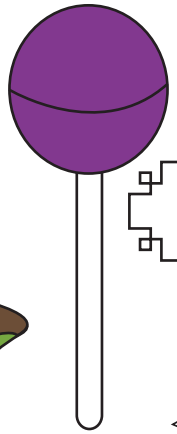
11p



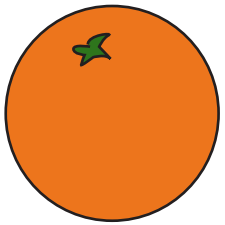
15p



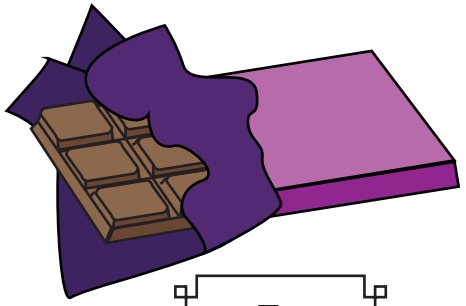
20p



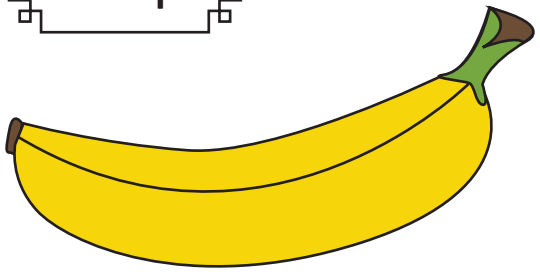
6p



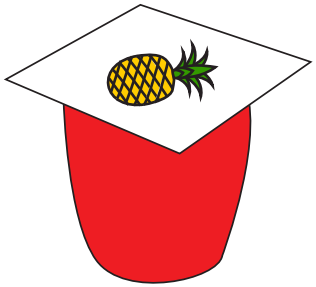
18p



7p

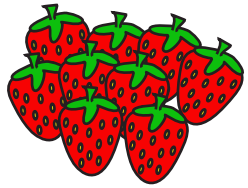


14p



16p

19p



17p

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Practice Sheets Answers

Prices (mild)

Children should have drawn around coins to show how to pay for each item, e.g.
Jammie biscuit 1p
Sweet 1p + 2p
Shortbread 5p + 1p, 2p + 2p + 2p...
Chocolate bar 2p + 2p, 2 + 1p + 1p...
Strawberries 5p + 2p, 2p + 2p + 2p + 1p...
Yogurt 2p, 1p + 1p
Orange 5p, 2p + 2p + 1p...
Banana 5p + 2p + 2p, 5p + 2p + 1p + 1p...
Rainbow sweets 5p + 2p + 1p, 2p + 2p + 2p + 2p...
Apple10p, 5p + 5p...

Prices (hot)

Children should have drawn around coins to show how to pay for each item using the least number of coins, e.g.
Jammie biscuit 5p + 2p + 1p
Sweet 10p + 1p
Shortbread 10p + 5p
Chocolate bar 5p + 2p
Strawberries 10p + 5p + 2p
Yogurt 10p + 5p + 1p
Orange 10p + 5p + 2p + 1p
Banana 10p + 2 + 2p
Rainbow sweets 10p + 10p
Apple 2p + 2p
Bourbon biscuit 10p + 5p + 2p + 2p
Lollipop 5p + 1p

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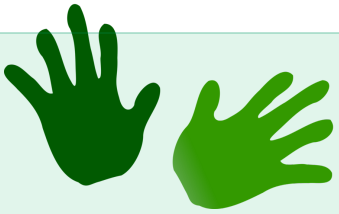
A Bit Stuck?
Money bags

Work in pairs

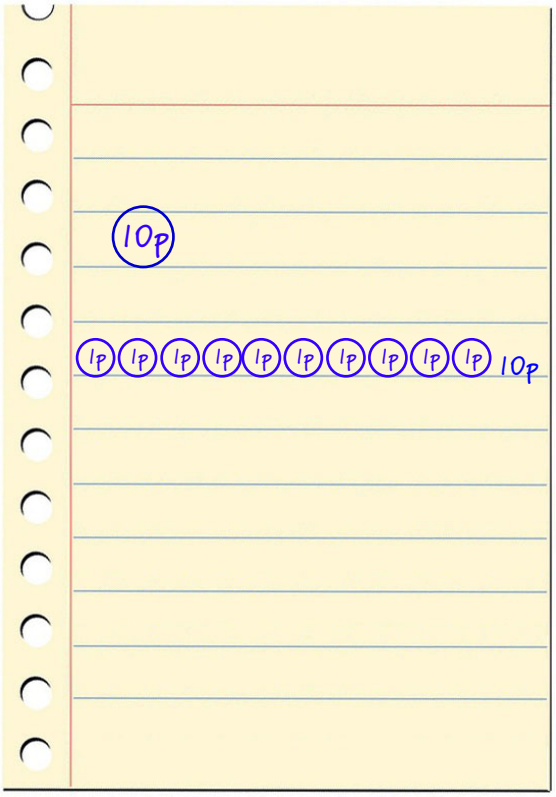
Things you will need:

- A feely bag with 1p, 2p, 5p, 10p and 20p coins inside
- A pot of pennies
- A pencil



What to do:

- Take a coin from the feely bag, without looking!
- Now look at your coin.
  Take the matching number of pennies from the pot.
- Your partner does the same.
- Draw your own coin and the pennies.
- Count up your pennies.
  Write the total by the side of your coins.
- Who has more pennies? They win!
- Play again, but this time your partner goes first.



S-t-r-e-t-c-h:

Choose a coin. Now add 1p. How much money do you have altogether?
Repeat with two other coins.

Learning outcomes:

- I know the value of each coin from 1p to 20p.
- I am beginning to add 1p to coins up to 20p.

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Check your understanding

Questions

Find two different ways of making each amount.

a) 12p

b) 25p

c) 17p

Draw the coins you use.

Fold here to hide answers

Check your understanding

Answers

Find two different ways of making each amount.

a) 12p e.g. 10p + 2p, 5p + 5p + 1p + 1p.

b) 25p e.g. 20p + 5p, 10p + 10p + 2p + 2p + 1p.

c) 17p e.g. 10p + 5p + 2p, 5p + 5p + 5p + 1p + 1p.

Draw the coins you use. Many further answers are possible, particularly using multiple 2p and 1p coins.

Encourage children to use the larger value coins, which is more efficient.

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Year 1: Week 2, Day 2

Add money by counting on

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

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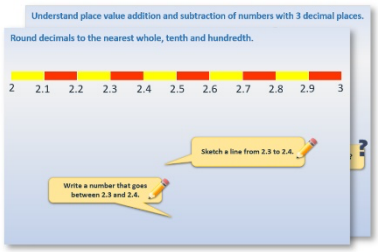

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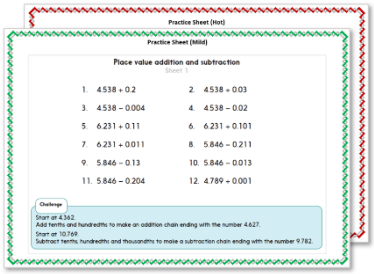

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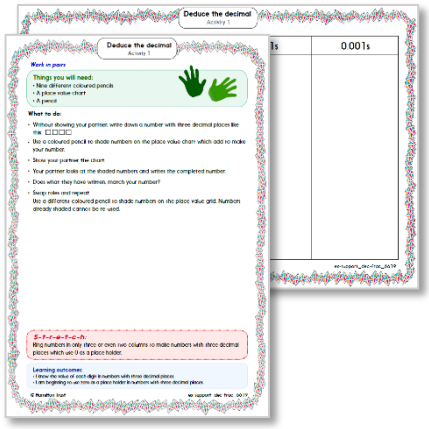

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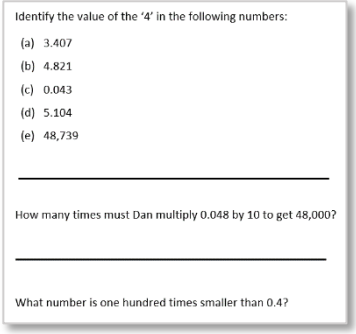

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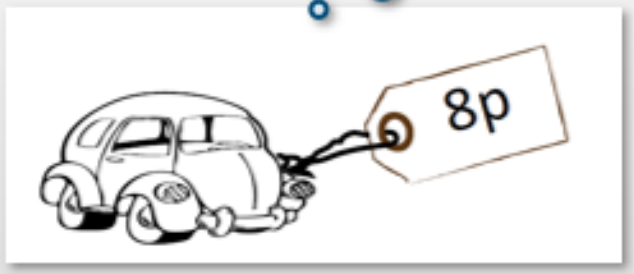
Learning Reminders

Find totals of single-digit prices using known facts or counting on.

How can I work out how much I'd have to pay for these two items?



+

We don't need to do a calculation as we know 8 + 2 = 10 as a number fact...

= 10p

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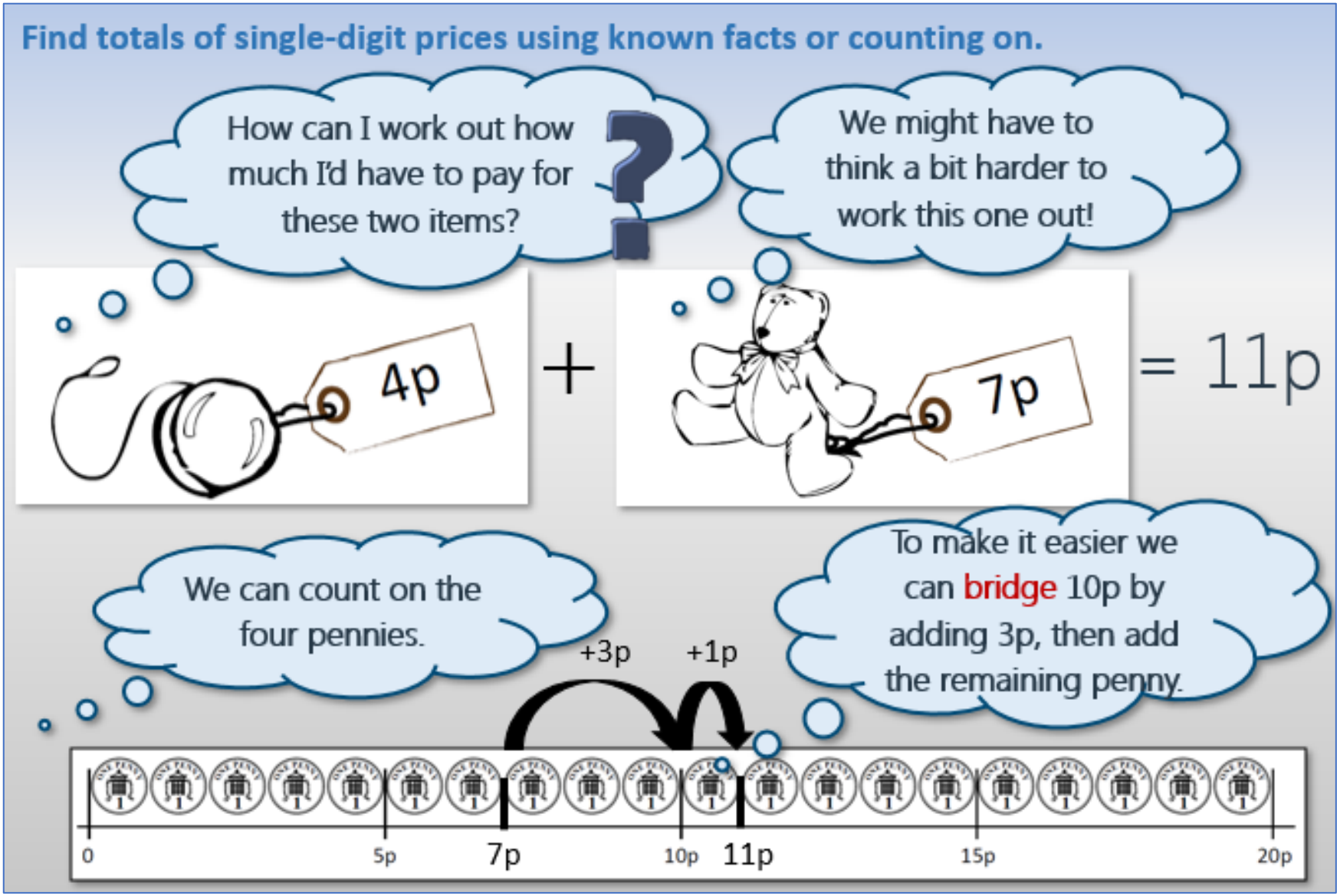
Learning Reminders



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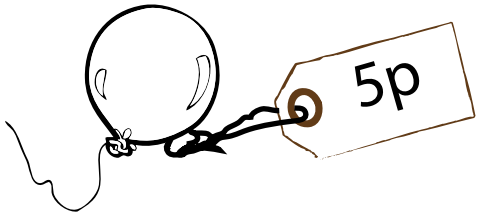
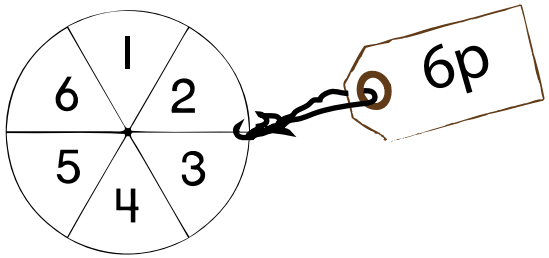
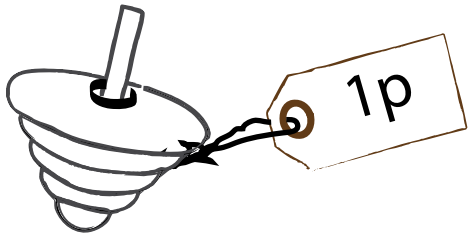
Practice Sheet Mild

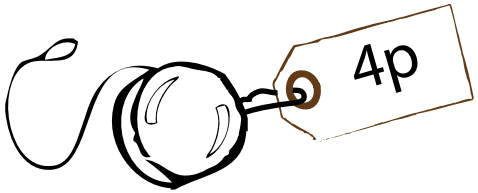
Toy shop

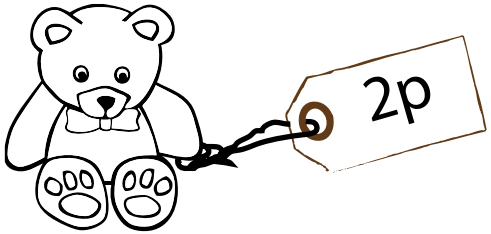
Choose 2 items and find the total. You can use the penny line to help.
Repeat at least five times.

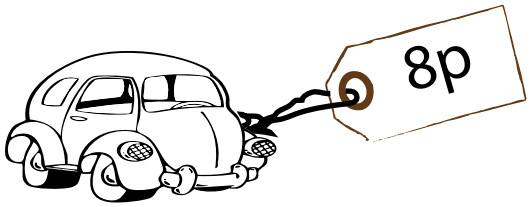


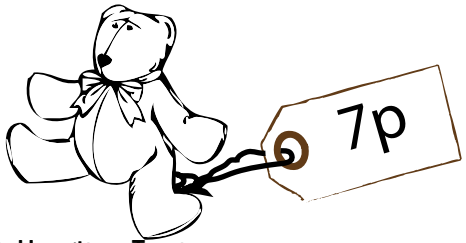


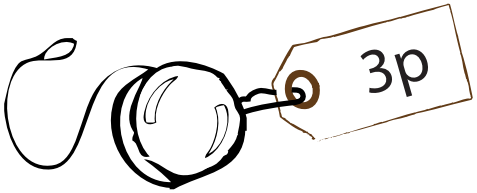


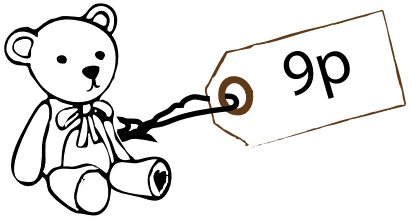












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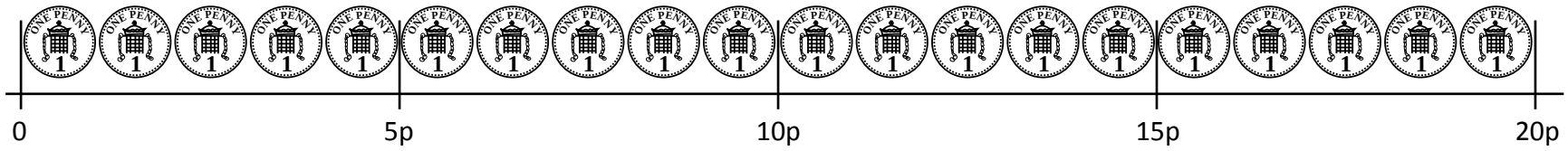
Practice Sheet Mild Resource

0 to 20p money line



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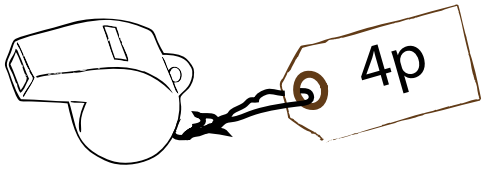
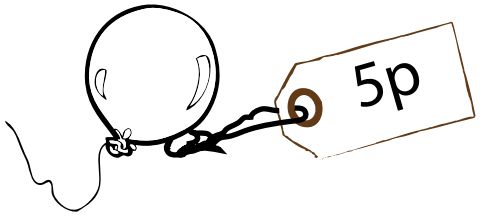
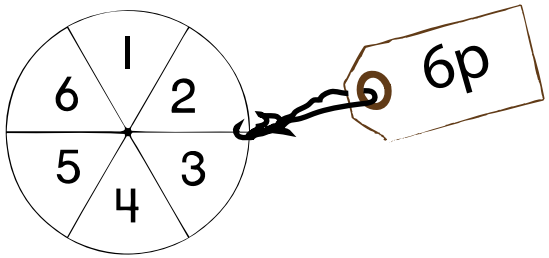
Practice Sheet Hot

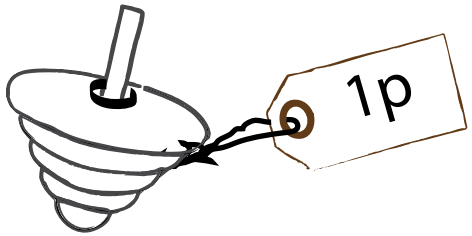
Toy shop

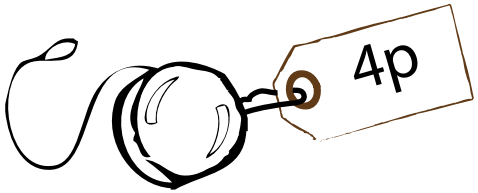
Choose 3 items and find the total. Repeat at least five times.

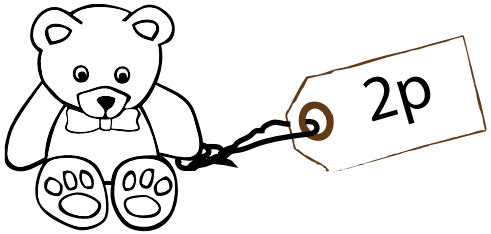


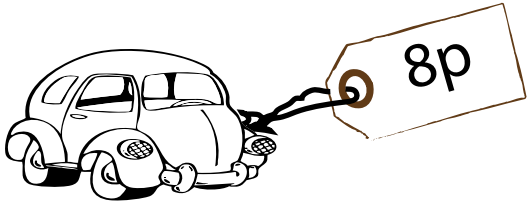


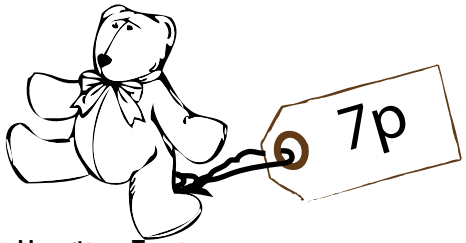


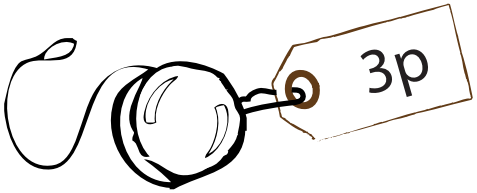


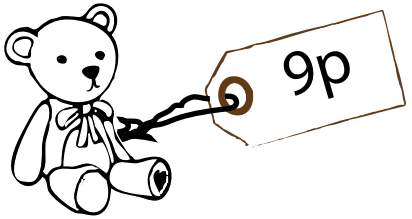












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Practice Sheet Answers

Toy Shop (mild)

Children should choose 2 items from the Toy shop and calculate the total cost.
Look out for children using number facts such as pairs to 10, doubles or near doubles, 1 more, 10 more.

Toy Shop (hot)

Children should choose 3 items and find the total.
Look out for children using number facts such as pairs to 10, doubles or near doubles, 1 more, 10 more.

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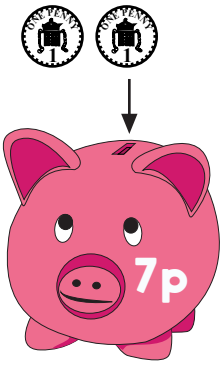
A Bit Stuck?
Tap twice

Work in pairs

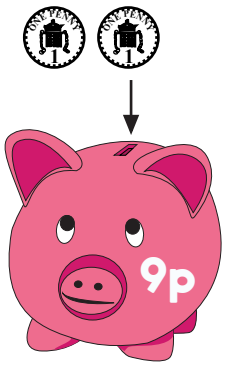
Things you will need:
- 1p and 2p coins
- A pencil

What to do:

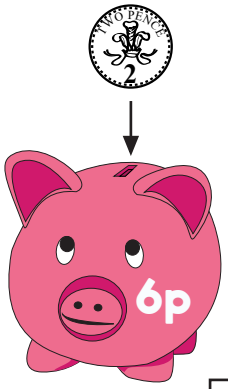
- Each money box has some money in.
- Add pennies or 2p to each box.
- Then write how much money is in each money box.
- Remember to tap the 2p coin twice to add on two pence.



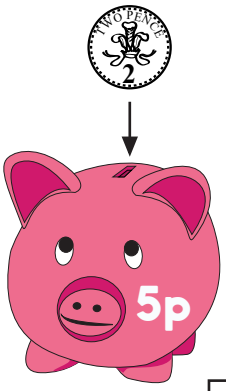
7p + 1p + 1p = ☐ p



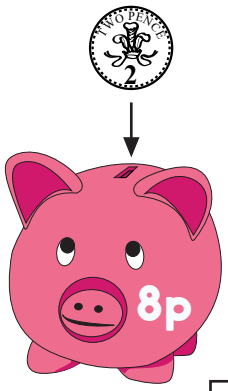
9p + 1p + 1p = ☐ p



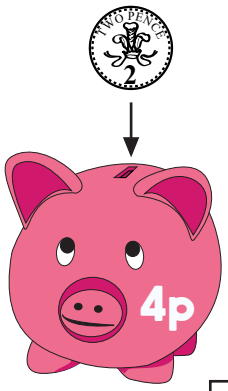
6p + 2p = ☐ p



5p + 2p = ☐ p



8p + 2p = ☐ p



4p + 2p = ☐ p

S-t-r-e-t-c-h:
Start with a 10p coin. Add a 2p coin. How much do you have now?
Now add another 2p coin. Keep going. How far can you get?

Learning outcomes:
- I can add 2p to amounts up to 10p by counting on.
- I am beginning to add 2p to amounts up to 20p.

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Check your understanding

Questions

Write the missing numbers:

8p + 12p = ☐

6p + ☐ = 13p

☐ = 13p + 3p + 6p

Fold here to hide answers

Check your understanding: *Answers*

Write the missing numbers:

- 8p + 12p = 20p
- 6p + 7p = 13p
- 22p = 13p + 3p + 6p

Children should be applying number bond knowledge and addition strategies to help solve these.

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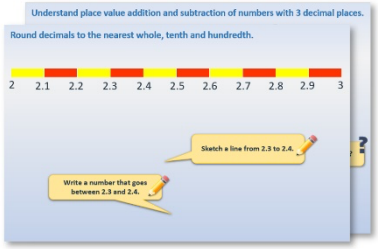
Year 1: Week 2, Day 3

Add 10p and 20p to prices

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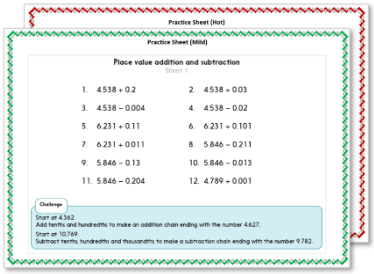
2. Tackle the questions on the **Practice Sheet**.
   There might be a choice of either Mild (easier) or Hot (harder)!
   Check the answers.



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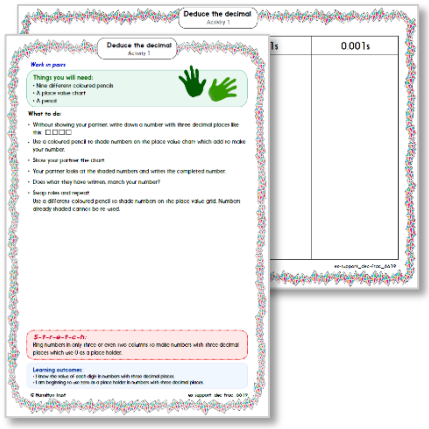
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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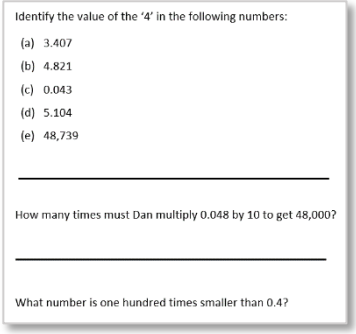
4. Have I mastered the topic? A few questions to **Check your understanding**.
   Fold the page to hide the answers!



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Learning Reminders

Add 10p and 20p to 2-digit amounts of money.

1-100 grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

The price is going up by 10p.

How does Spider move when she adds 10?

67p + 10p = 77p

© Hamilton Trust

Learning Reminders

Add 10p and 20p to 2-digit amounts of money.

1-100 grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

The price is going up by 20p.

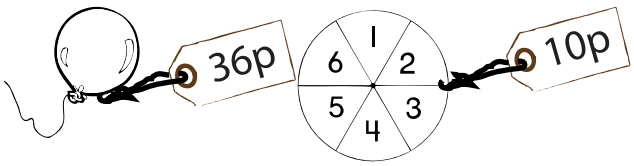
How does Spider move when she adds 20?

73p + 20p = 93p

© Hamilton Trust

Practice Sheet Mild

Toys



□ + □ = □

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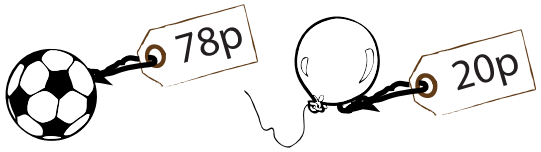

□ + □ = □

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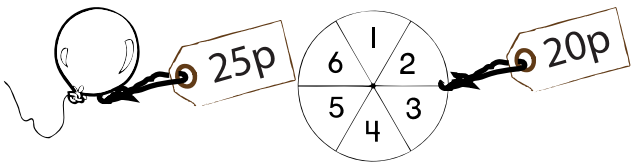
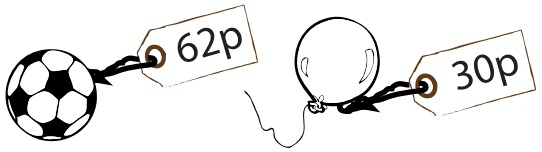
Practice Sheet Hot

Toys





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Practice Sheets Answers

Toys (mild)

36p + 10p = **46p**
83p + 10p = **93p**
25p + 20p = **45p**
52p + 20p = **72p**

71p + 10p = **81p**
46p + 10p = **56p**
64p + 20p = **82p**
78p + 20p = **98p**

Toys (hot)

25p + 20p = **45p**
47p + 20p = **67p**
78p + 20p = **98p**
38p + 30p = **68p**

64p + 20p = **84p**
52p + 20p = **72p**
45p + 30p = **75p**
62p + 30p = **92p**

© Hamilton Trust

1-100 number grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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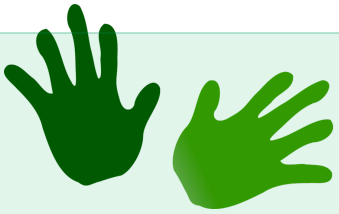
A Bit Stuck?
More spider counting

Work in pairs

Things you will need:
- Spider's counting strips
- A pencil



What to do:

- Choose one of Spider's counting strips.
- Write the missing numbers.
- Fill in as many strips as you can.

2
12
22
32
42
62
72
82

S-t-r-e-t-c-h:

Use Spider on the grid to work out the answers to these additions.

25 + 10 = ☐ 53 + 10 = ☐

Learning outcomes:
- I can count on in 10s from a single-digit number.
- I am beginning to use Spider to add 10 to 2-digit numbers.

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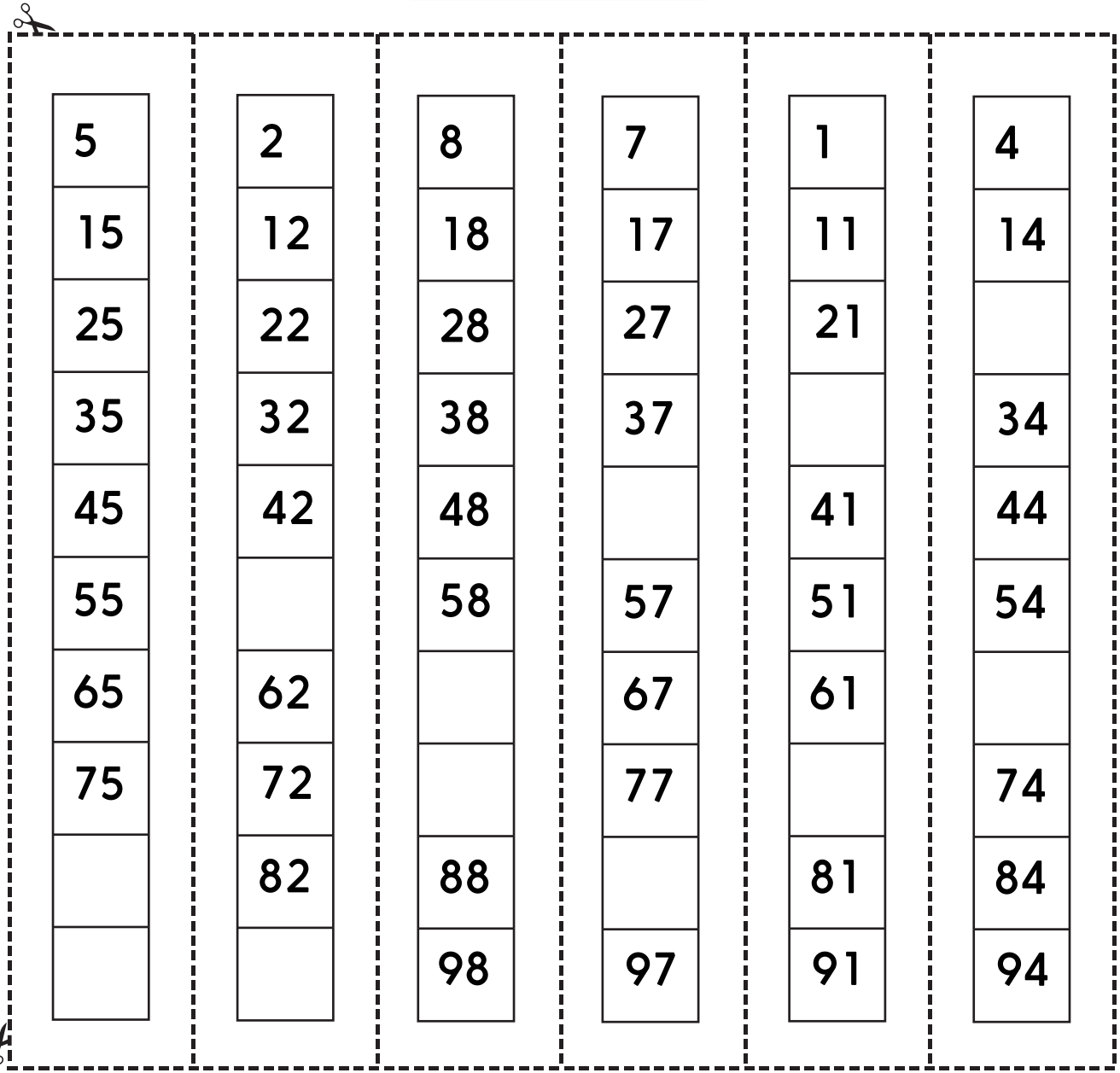
A Bit Stuck?

More spider counting



5	2	8	7	1	4
15	12	18	17	11	14
25	22	28	27	21	
35	32	38	37		34
45	42	48		41	44
55		58	57	51	54
65	62		67	61	
75	72		77		74
	82	88		81	84
		98	97	91	94

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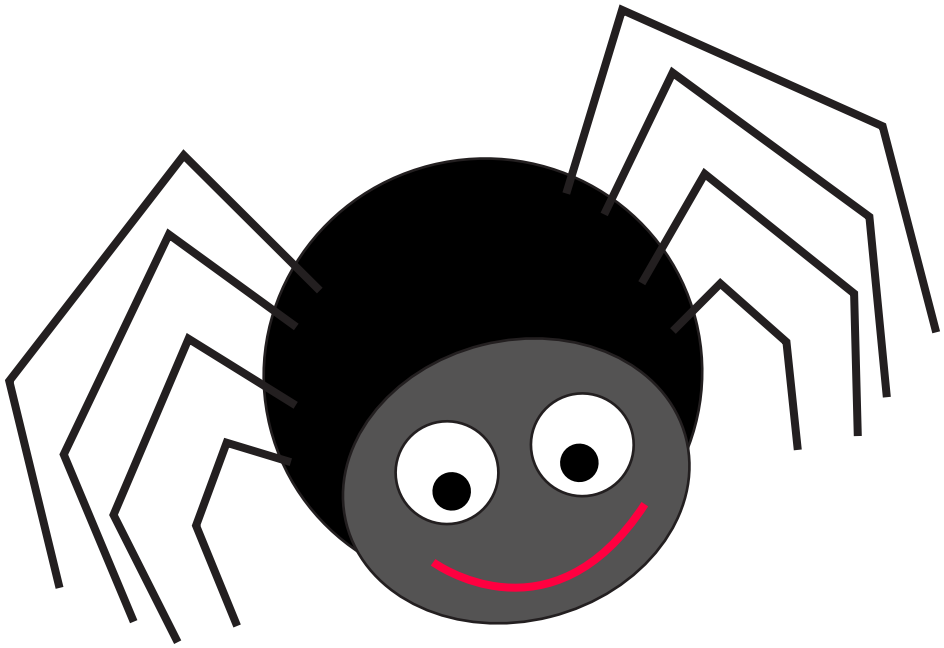
A Bit Stuck?

More spider counting



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Check your understanding

Questions

Add amounts to write the missing totals in the table.

+	10p	20p
42p	52p	
66p		86p
70p		

Fold here to hide answers

Check your understanding

Answers

Add amounts to write the missing totals in the table.

+	10p	20p
42p	52p	62p
66p	76p	86p
70p	80p	90p

Children should be counting on in 10s, not 1s to solve these

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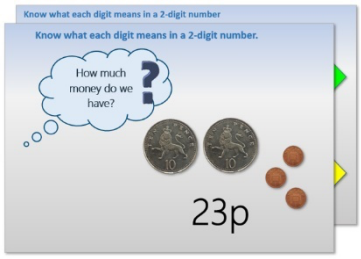
Year 1: Week 1, Day 4

Finding change when shopping

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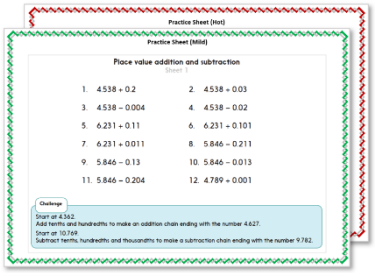
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.



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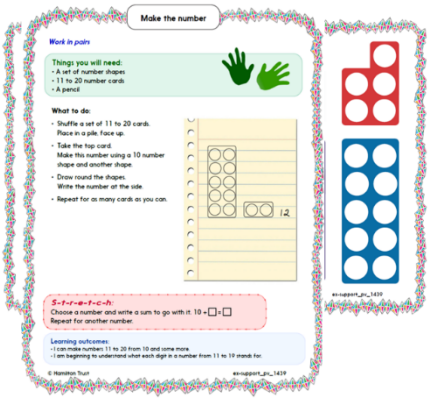
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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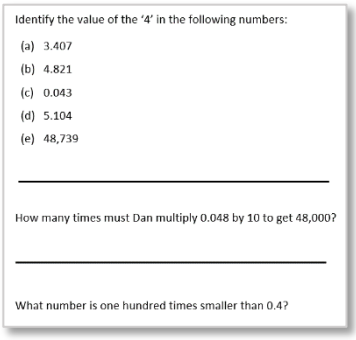
4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



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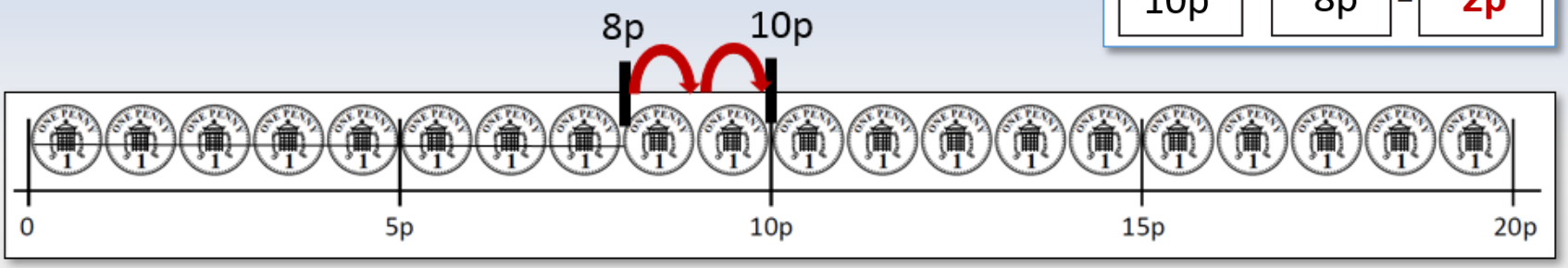
Learning Reminders

© Hamilton Trust

Learning Reminders

Finding change when shopping.

10p	-	8p	=	2p



Step 1

The cost is 8p.

Cross out the pennies spent.

Step 2

The amount paid is 10p.

Mark it on the number line.

Step 3

Count up in 1s from 8p to 10p to find the difference.

You need

2p change

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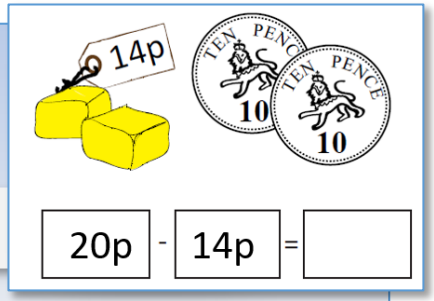
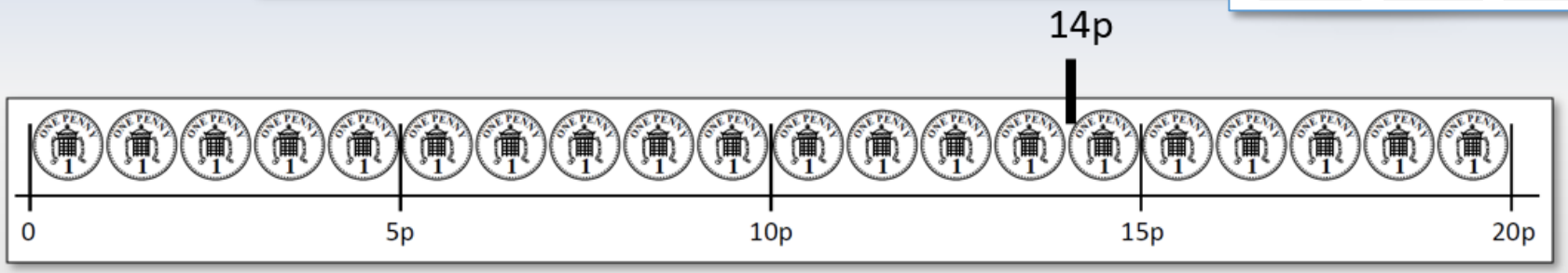
Learning Reminders

Finding change when shopping.



What if you spend 14p and pay with 20p?



Step 1
The cost is 14p.
Cross out the pennies spent.

Step 2
The amount paid is 20p.
Mark it on the number line.

Step 3
Count up in 1s from 14p to 20p to find the difference.

You need
___p change

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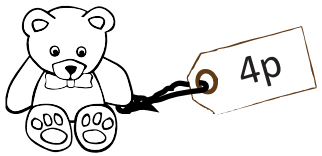
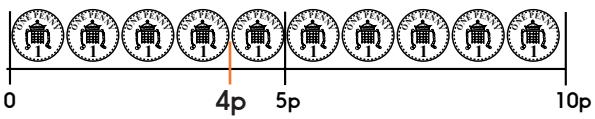
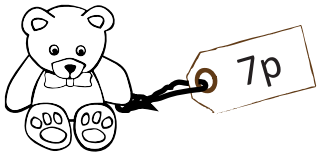
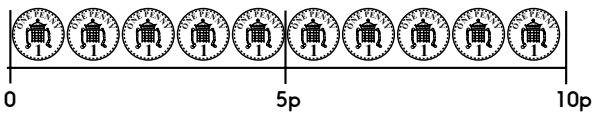
Practice Sheet Mild

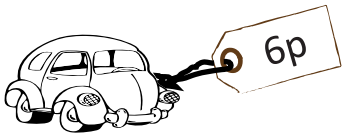
Count up to find change from 10p

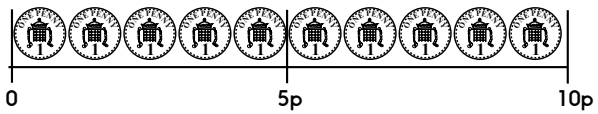


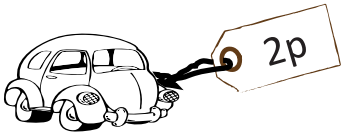


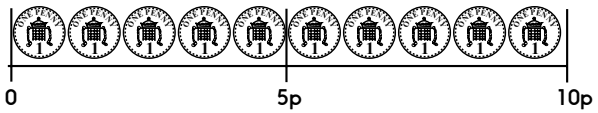


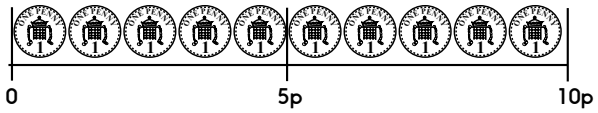


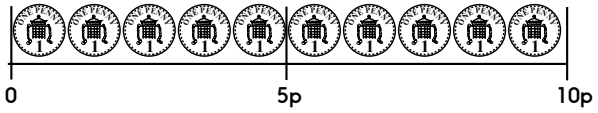


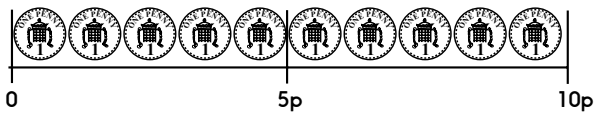


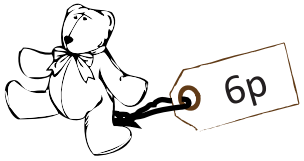


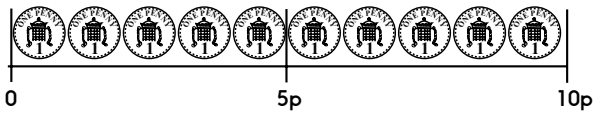












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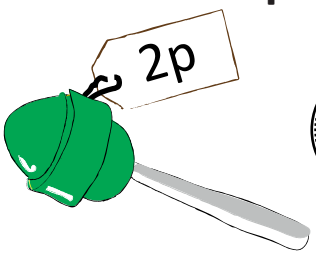
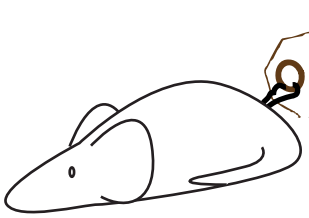
Practice Sheet Hot

Count up to find change from different amounts



5p - 2p = ☐

☐ - ☐ = ☐



☐ - ☐ = ☐

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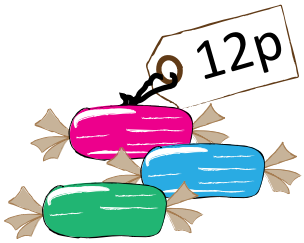

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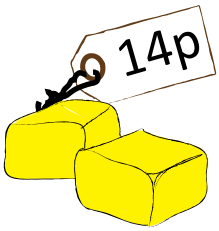

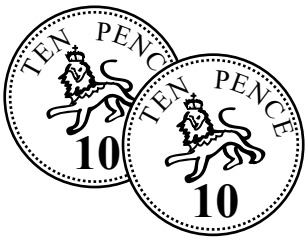

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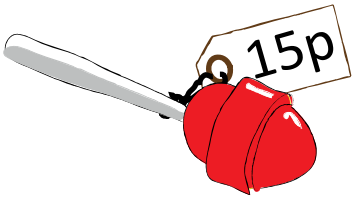

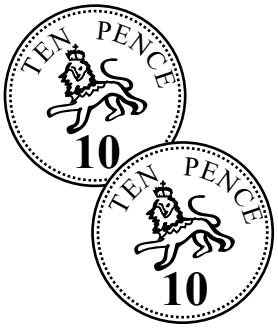

☐ - ☐ = ☐

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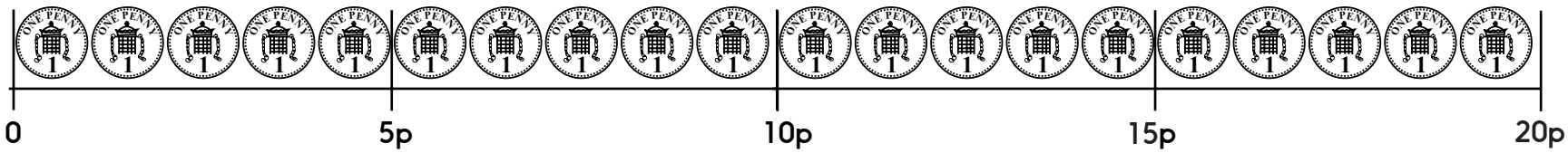
Practice Sheet Resource

0 to 20p money line



© Hamilton Trust

Practice Sheet Answers

Count up to find change from 10p (mild)

10p - 4p = **6p**
10p - 6p = **4p**
10p - 5p = **5p**
10p - 9p = **1p**

10p - 7p = **3p**
10p - 2p = **8p**
10p - 8p = **2p**
10p - 6p = **4p**

Count up to find change from different amounts (hot)

5p - 2p = **3p**
10p - 3p = **7p**
20p - 7p = **13p**
20p - 14p = **6p**

10p - 8p = **2p**
20p - 17p = **3p**
20p - 12p = **8p**
20p - 15p = **5p**

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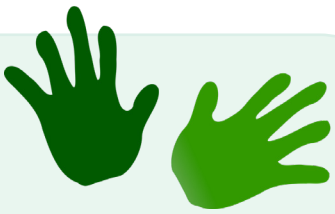
A Bit Stuck!
Dino stickers

Work in pairs

Things you will need:
- 1p and 10p coins
- Money lines
- A pencil



What to do

- Take it in turns to be the shopkeeper and the customer.
- The customer chooses a sticker and gives the shopkeeper 10p.
- The shopkeeper uses the money line to find the change from 10p.
  The shopkeeper gives the change to the customer.
- Both people write the change by the sticker.

1p

Change ☐p

5p

Change ☐p

3p

Change ☐p

8p

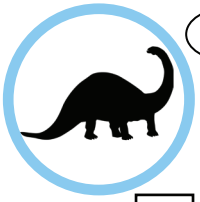
Change ☐p

2p

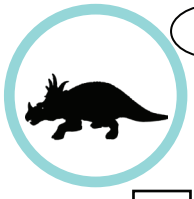
Change ☐p

6p

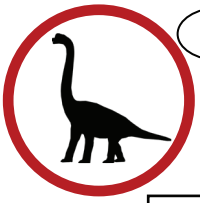
Change ☐p


7p

Change ☐p


4p

Change ☐p


9p

Change ☐p

S-t-r-e-t-c-h:
Use your knowledge of pairs to 10 to help find the change.

Learning outcomes:
- I can find the change from 10p using a money line.
- I am beginning to use pairs to 10 to find change from 10p.

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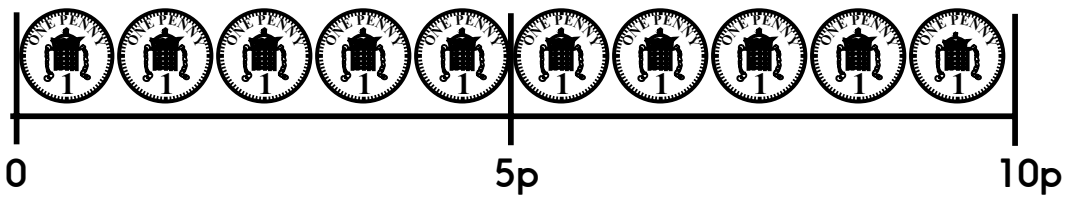
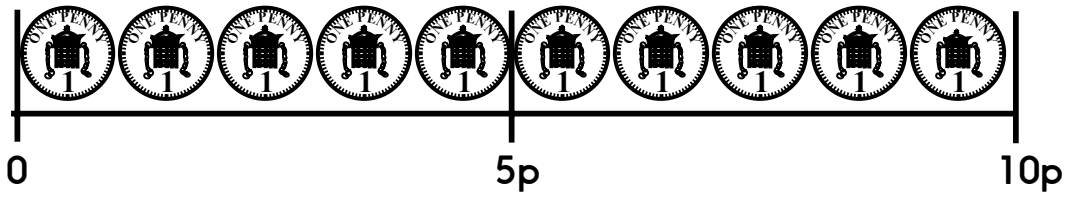
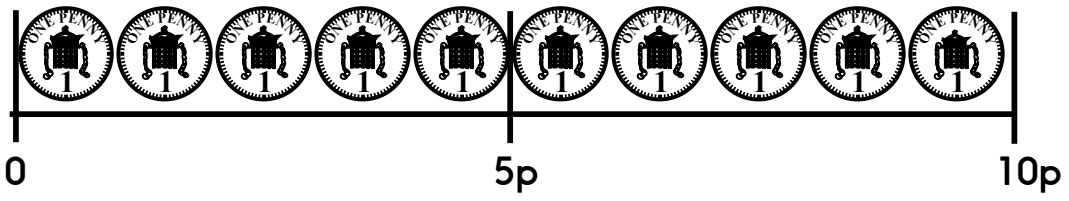
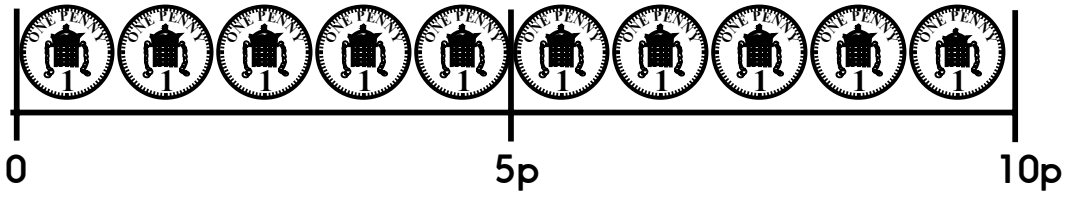
A Bit Stuck!

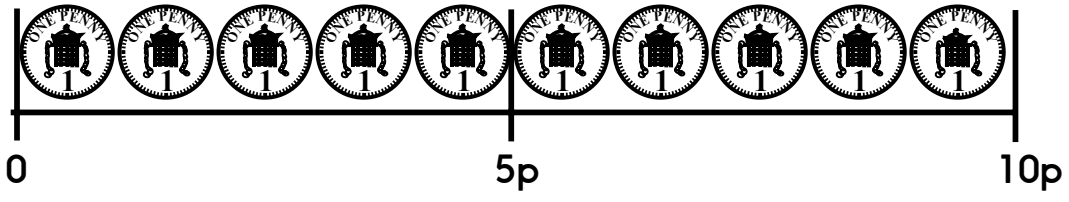
Dino stickers

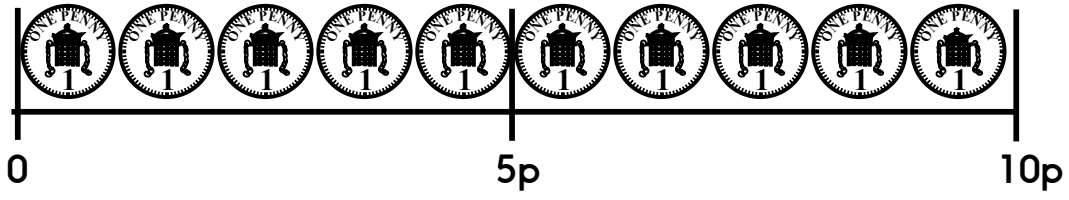












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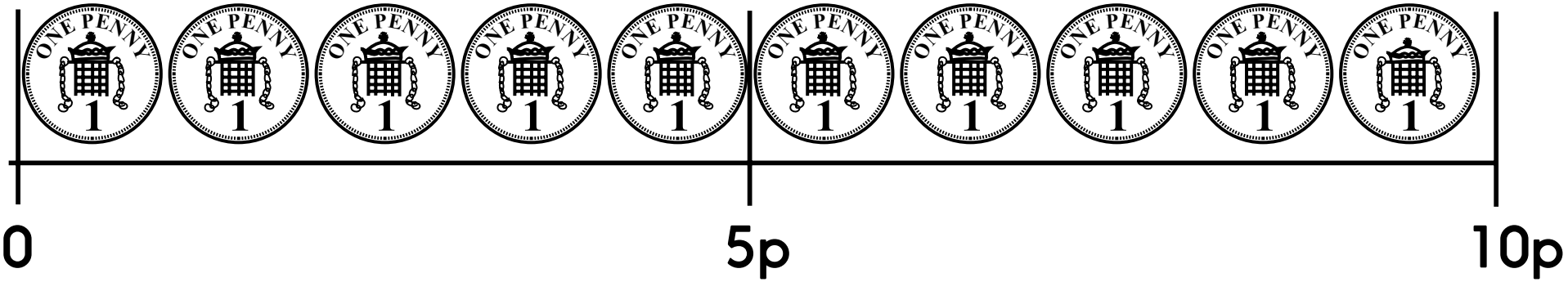
A Bit Stuck!

Dino stickers



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Check your understanding

Questions

Write the change from 10p when buying…

(i) 6p biscuit

(ii) 4p cracker

(iii) 9p drink

True or false

- You always get change if you pay for something with a 10p coin.
- You can buy two 4p sweets and still have change from 10p.
- You may not use a 20p coin to buy something that costs 11p.

What does a pen cost if I get 5p change when paying for it using a 10p coin?

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Check your understanding

Answers

Write the change from 10p when buying…

(i) 6p biscuit 4p

(ii) 4p cracker 6p

(iii) 9p drink 1p Are children applying knowledge of number bonds to 10?

True or false

- You always get change if you pay for something with a 10p coin. False – if it costs 10p there is no change!
- You can buy two 4p sweets and still have change from 10p. True, two 4p sweets costs 8p so there should be 2p change.
- You may not use a 20p coin to buy something that costs 11p. False, 20p is more than 11p so it is fine to use it.

What does a pen cost if I get 5p change when paying for it using a 10p coin? 5p, since 10p – 5p = 5p

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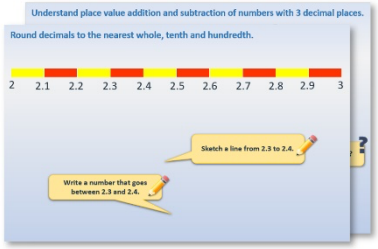
Year 1: Week 2, Day 5

Difference between prices

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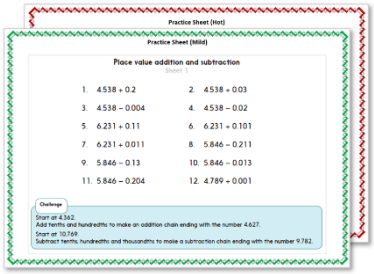
2. Tackle the questions on the **Practice Sheet**.
   There might be a choice of either Mild (easier) or Hot (harder)!
   Check the answers.



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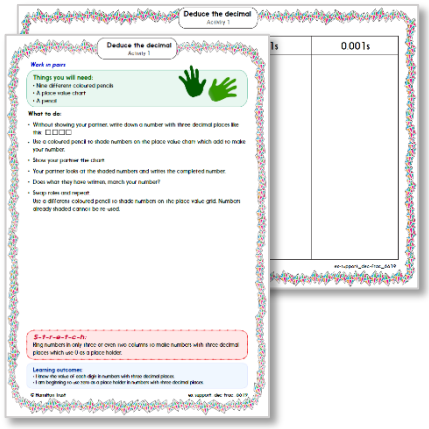
3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



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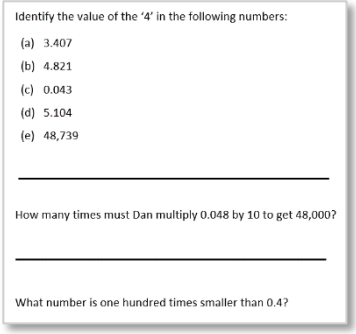
4. Have I mastered the topic? A few questions to **Check your understanding**.
   Fold the page to hide the answers!



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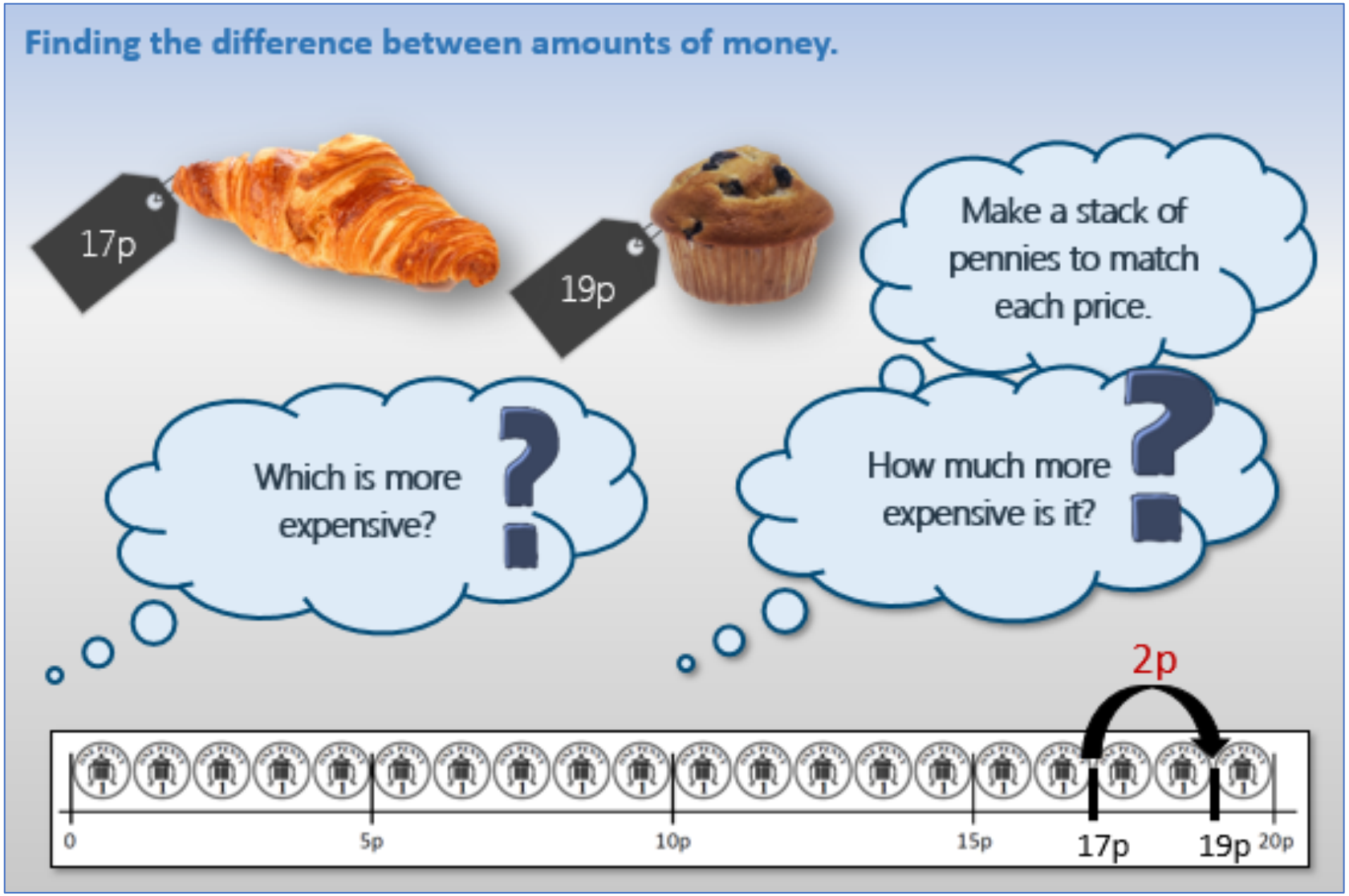
Learning Reminders



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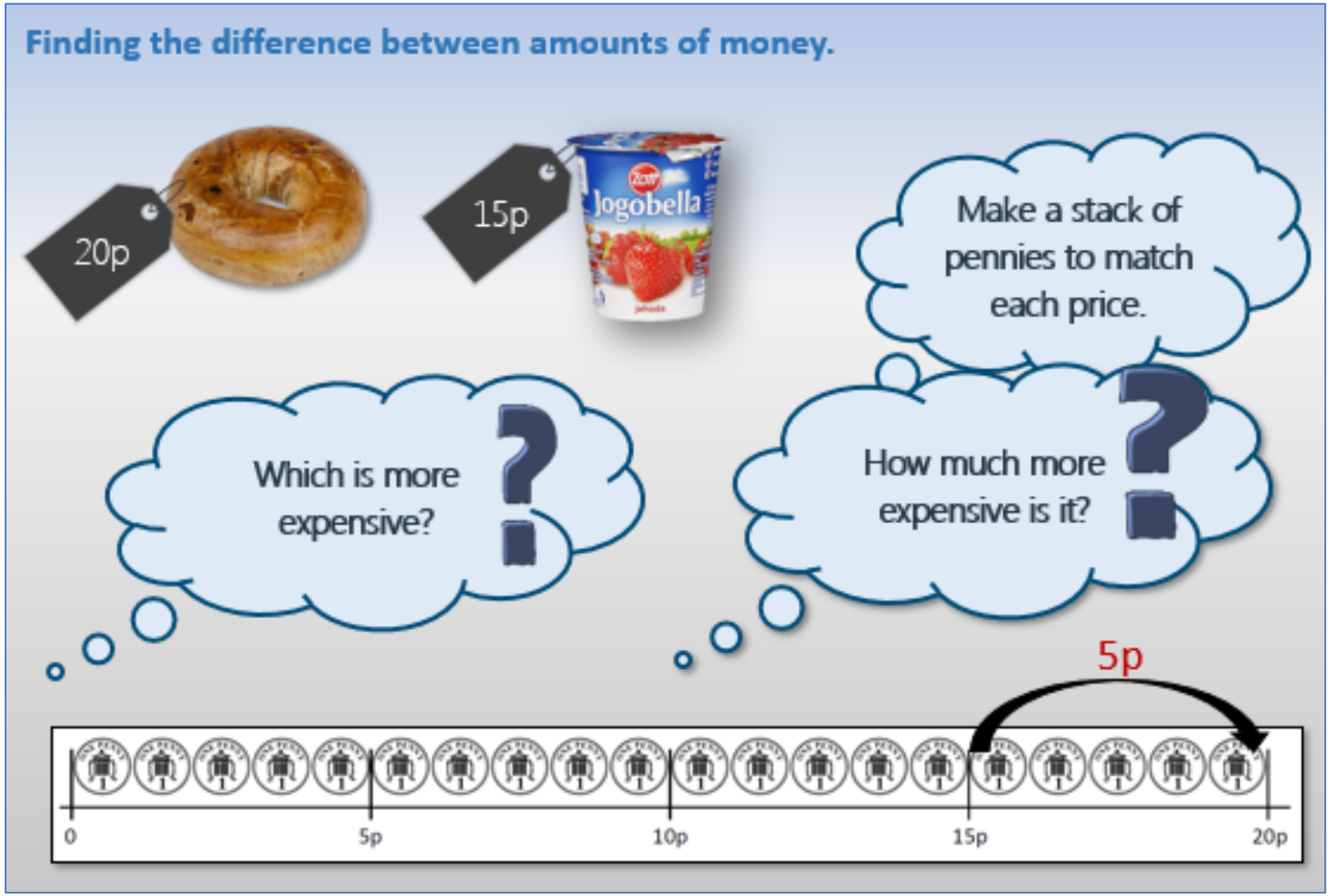
Learning Reminders



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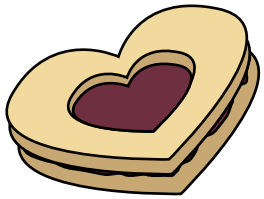
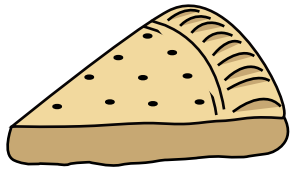
Practice Sheet Mild

Count up to find differences

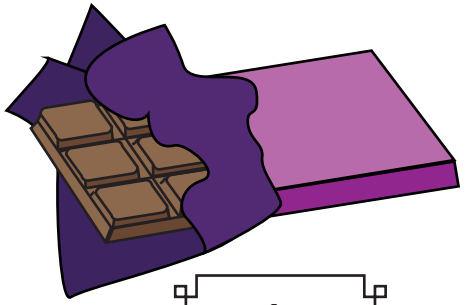
Choose 2 items.
Mark both on the penny number line, then write the difference at the side.
Repeat with new items.



1p

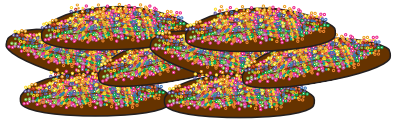


6p

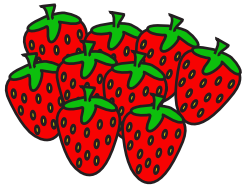


4p

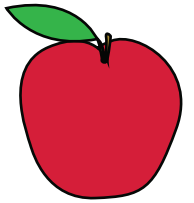
3p



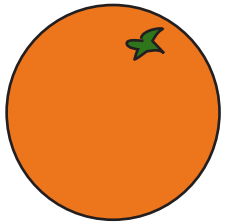
8p



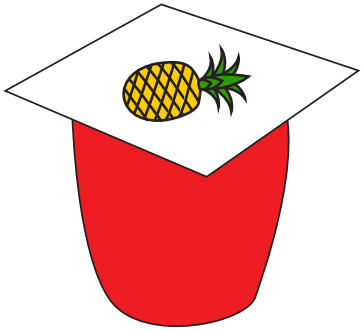
7p



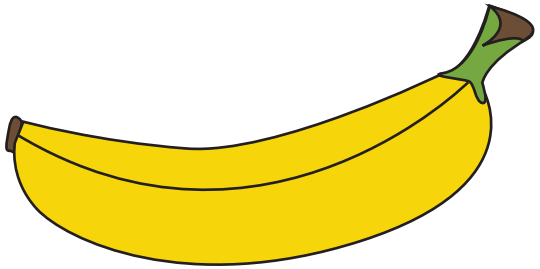
10p



5p



2p



9p

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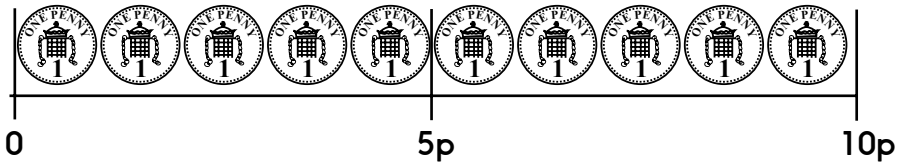
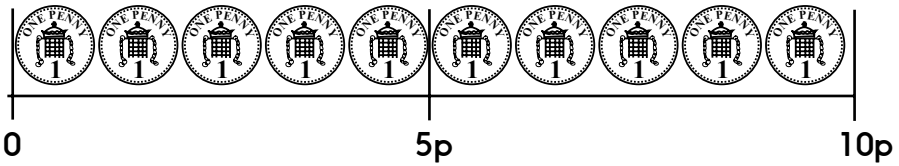
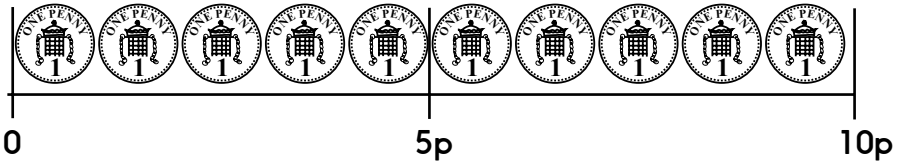
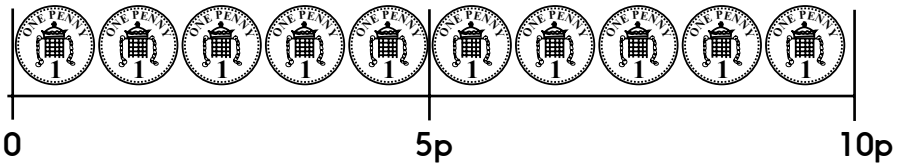
Practice Sheet Mild

Count up to find differences









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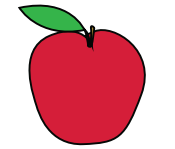
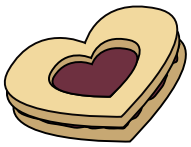
Practice Sheet Hot

Count up to find differences

Choose 2 items and find the price difference. You can use the 0-20p money line to help. Repeat with lots of different pairs of items.

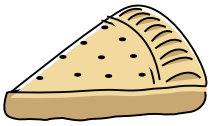


4p



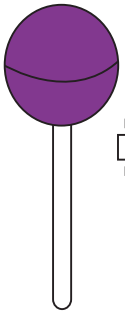
8p

11p

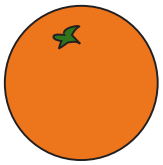


15p

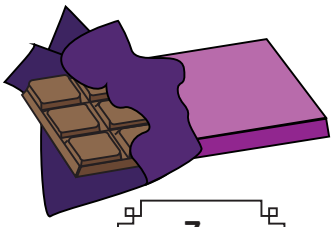
20p



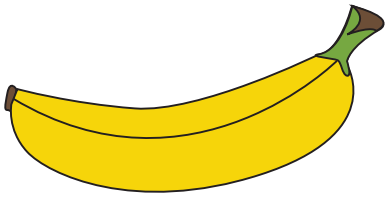
6p



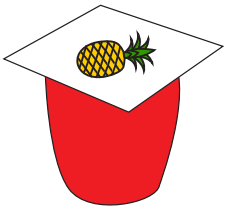
18p



7p

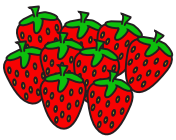


14p



16p

19p



17p

Challenge

1. Can you find two items with a difference of 3p?
2. Can you find two items with a difference of 6p?
3. Can you find two items with a difference of 4p?
4. Can you find two items with a difference of 7p?
5. Can you find two items with a difference of 10p?
6. Draw two new items with a difference of 12p.

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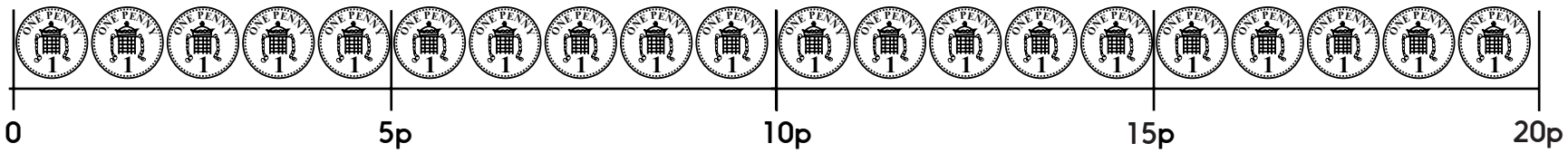
Practice Sheet Hot

0 to 20p money line



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Practice Sheets Answers

Count up to find differences (mild)

Children should have chosen two items and used the penny number lines to calculate the difference between the two amounts.

Count up to find differences (hot)

Children should have chosen two items and calculated the difference between the two amounts (using the penny number lines for support if necessary).

Challenge

Items with a difference of 3p
18p - 15p orange and shortbread
11p - 8p sweet and jammie biscuit
20p - 17p rainbow sweets and strawberries
19p - 16p bourbon biscuit and yogurt
7p - 4p chocolate bar and apple
14p - 11p banana and sweet

Items with a difference of 4p
15p - 11p shortbread and sweet
19p - 15p bourbon biscuit and shortbread
11p - 7p sweet and chocolate bar
20p - 16p rainbow sweets and yogurt

Items with a difference of 10p
17p - 7p strawberries and chocolate bar
18p - 8p orange and jammie biscuit
16p - 6p yogurt and lollipop
14p - 4p banana and apple

Items with a difference of 6p
14p - 8p banana and jammie biscuit
17p - 11p strawberries and sweet
20p - 14p rainbow sweets and banana

Items with a difference of 7p
15p - 8p shortbread and jammie biscuit
18p - 11p orange and sweet
14p - 7p banana and chocolate bar
11p - 4p sweet and apple

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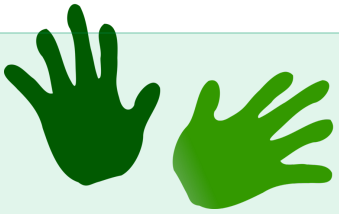
A Bit Stuck!
Money makers

Work in pairs

Things you will need:
- 11p - 20p number cards
- Several 10p and lots of 1p coins
- Counters or similar



What to do:

- Shuffle the set of 11p to 20p cards. Place in a pile, face up.
- Each person takes a card. Make that amount using a 10p and 1p coins.
- Who has the greater amount? They win a counter.
- Repeat until all cards have been used.
- Who won most counters?

S-t-r-e-t-c-h:

Write two amounts which are more than 15p.
Next, write two amounts which are less than 15p.

Learning outcomes:
- I can compare pairs of money amounts from 11p to 20p using coins.
- I am beginning to say a number which is more or less than a number up to 20.

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11p	12p	13p	14p	15p
16p	17p	18p	19p	20p

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Check your understanding

Questions

Draw a ring around the greater amount:

1. 11p 14p
2. 16p 12p
3. 17p 13p

Write the difference in price between:

1. 17p and 20p
2. 19p and 15p
3. 13p and 18p

Write two prices with a difference of 2p.

Fold here to hide answers

Check your understanding

Answers

Ring the more expensive price

1. 11p 14p
2. 16p 12p
3. 17p 13p

Write the difference in price between

1. 17p and 20p 3p
2. 19p and 15p 4p
3. 13p and 18p 5p

Write two prices with difference of 2p.

Any two prices with a difference of 2p, e.g. 11p and 13p. 12p and 14p, 13 and 15p…

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