



MATHEMATICS



N.S. Yr. 3 P.69

Problems involving money

Equipment

Paper, pencil, ruler
Coins are very useful.

MathSphere

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Concepts

Money continues to be an important area of work in year 3, especially as a means of re-enforcing place value. Working with coins should remain a priority, and children will begin to give change for amounts up to £1.

An emphasis is made on converting pounds to pence and vice versa. Especially important is to recognise the need to place a nought in the ten pence column when converting amounts such as 203p into pounds.

When working out change, 'counting on' from the units should be encouraged,

eg: Change from £1 when spending 67p

3p makes 70p, add another 30p to the 70p to make 100p: answer 33p

Note: Working in this way should avoid the all too common erroneous answer of 43p, which is reached by adding 40 to 60 and then a further 3 to the 7 to make 10 (in reality this comes to 110p)

How many pence?

Remember: there are 100 pence in a pound.
That makes it very easy

1. How many pence in £3.45 ?

2. How many pence in £2.66 ?

3. How many pence in £3.50 ?

4. How many pence in £1.02 ?

5. How many pence in £5.60 ?

6. How many pence in £7.77 ?



How many pence?

Remember: there are 100 pence in a pound, so £2 is 200p.

1. How many pence in £4.62 ?

2. How many pence in £5.97 ?

3. How many pence in £6.20 ?

4. How many pence in £1.06 ?




5. How many pence in £4.44 ?






6. How many pence in £0.26 ?



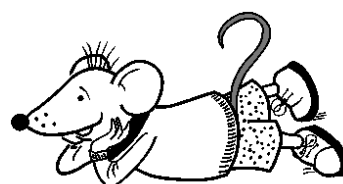
Write pence as pounds

These can be really tricky.
Look at the chart below to
help you.

		
This is the pounds column	This is the ten pence column	This is the one pence column
£1	1	1
111p is written as £1.11		

 		  
This is the pounds column	This is the ten pence column	This is the one pence column
£2	0	3
203p is written as £2.03		

Notice that you keep the pence in the
pence column, even if there are no ten
pence.



Write pence as pounds**Example:**

Write 205p as pounds:

	●	
--	---	--

1. Write 137p as pounds:

	●	
--	---	--

2. Write 508p as pounds:

	●	
--	---	--

3. Write 172p as pounds:

	●	
--	---	--

4. Write 204p as pounds:

	●	
--	---	--

5. Write 36p as pounds:

	●	
--	---	--

6. Write 303p as pounds:

	●	
--	---	--

7. Write 21p as pounds:

	●	
--	---	--

Write pence as pounds**Example:**

Write 607p as pounds:

	●	
--	---	--

1. Write 721p as pounds:

	●	
--	---	--

2. Write 904p as pounds:

	●	
--	---	--

3. Write 283p as pounds:

	●	
--	---	--

4. Write 703p as pounds:

	●	
--	---	--

5. Write 83p as pounds:

	●	
--	---	--

6. Write 808p as pounds:

	●	
--	---	--

7. Write 11p as pounds:

	●	
--	---	--

Changing pounds into pence

Change these amounts from pounds into pence:

1. £4.55 =

 p

2. £3.87 =

 p

3. £2.27 =

 p

4. £5.89 =

 p

5. £7.03 =

 p

6. £6.09 =

 p

7. £1.03 =

 p

8. £1.06 =

 p

9. £0.66 =

 p

10. £0.22 =

 p

11. £0.98 =

 p

12. £0.25 =

 p

13. £6.66 =

 p

14. £7.24 =

 p

15. £9.09 =

 p

16. £4.04 =

 p

Changing pounds into pence

Change these amounts from pounds into pence:

1. £4.78 =

2. £3.51 =

3. £2.38 =

4. £5.92 =

5. £7.01 =

6. £6.01 =

7. £7.09 =

8. £2.05 =

9. £0.02 =

10. £0.11 =

11. £0.01 =

12. £0.99 =

13. £9.66 =

14. £3.34 =

15. £9.09 =

16. £5.06 =



Hi! Feeling rich today?
Try to write these amounts
in pounds.

1.



=

2.



=

3.



=

4.



=




5.



=










Hi! Loads of money eh!
Try to write these amounts
in pounds.

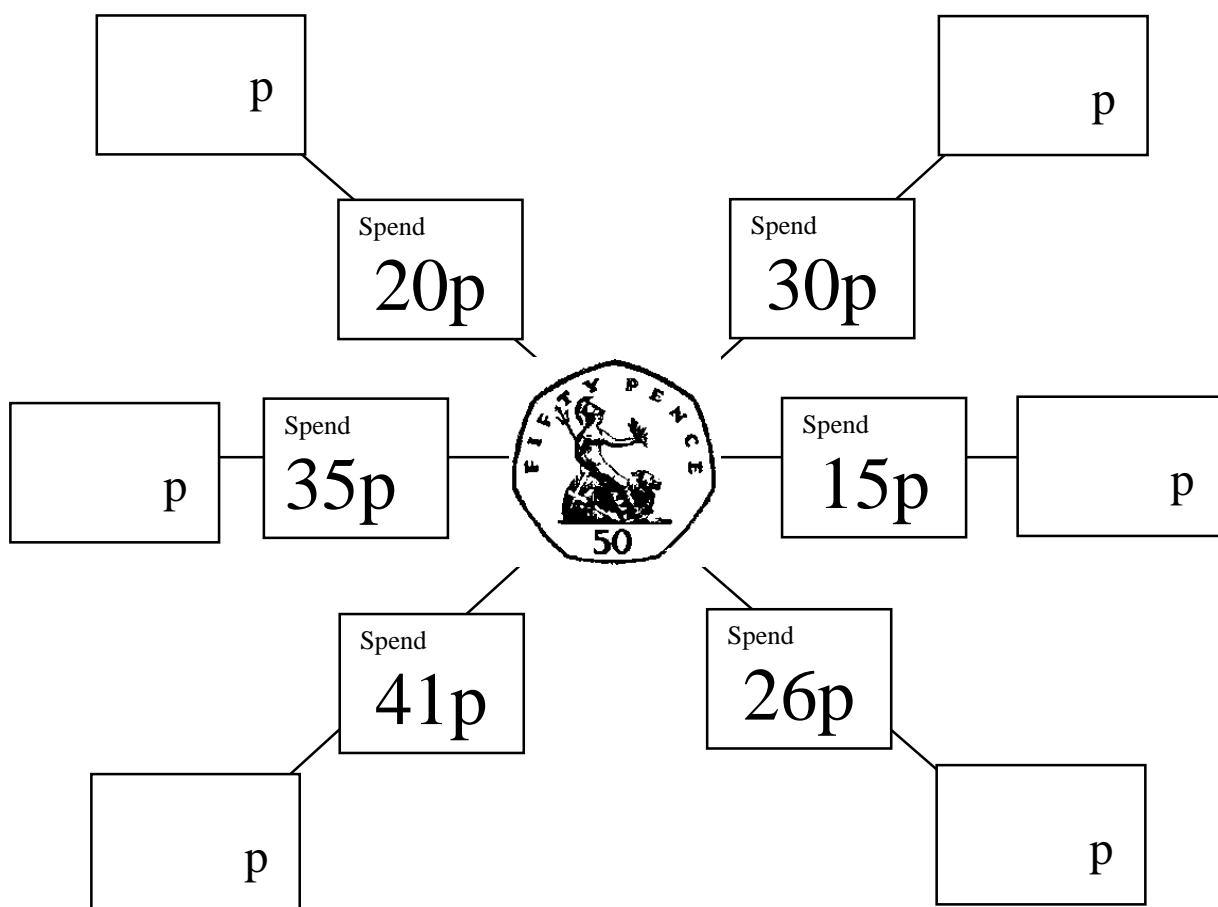
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2.    =

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4.     =

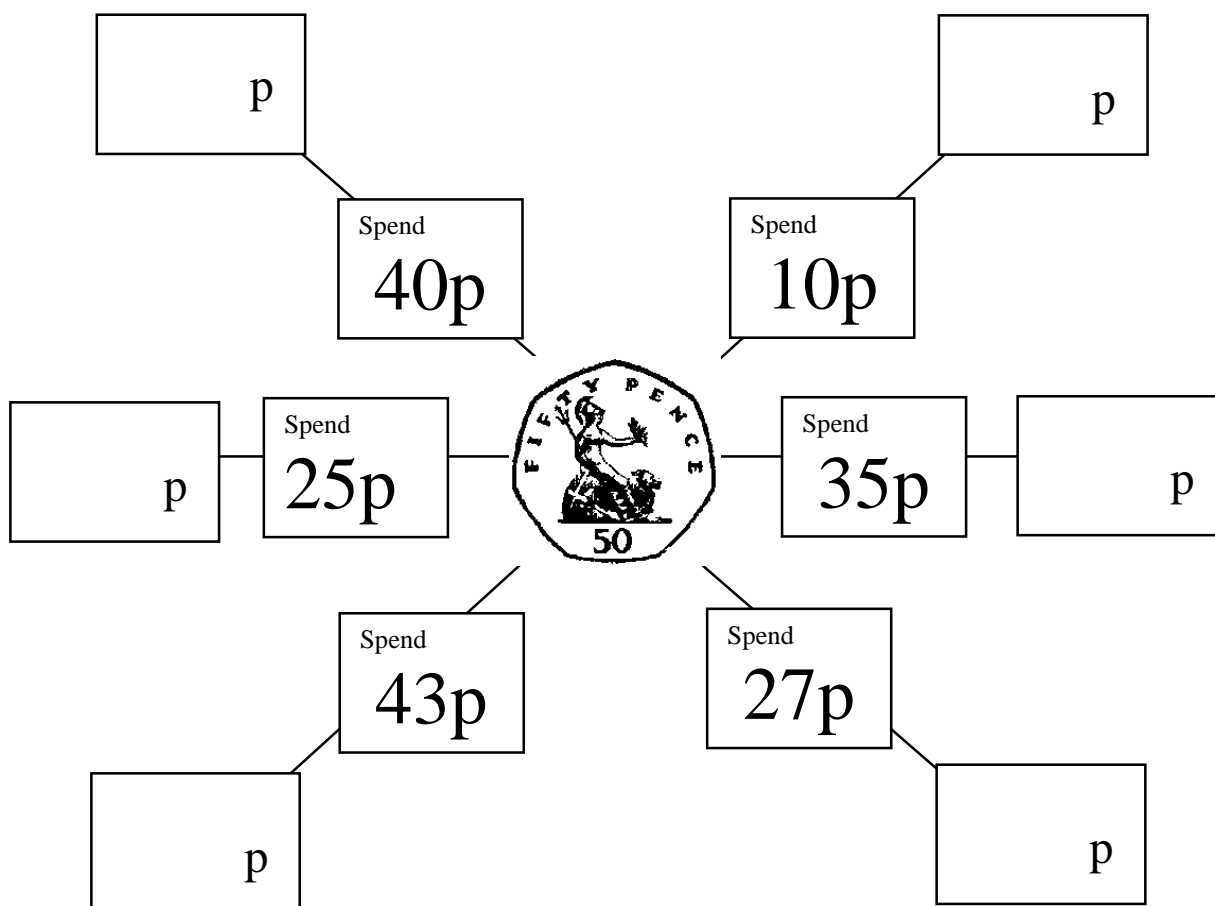
5.     =

Change from 50p

1. I have 50p. I spend 40p. How much change will I get?

2. I have 50p. I spend 10p on sweets and 20p on a pencil.
How much change will I get?

3. I have 50p. I buy a comic for 15p and a card for 30p.
How much change will I get?

Change from 50p

1. I have 50p. I spend 20p. How much change will I get?

2. I have 50p. I spend 20p on sweets and 14p on a pencil.
How much change will I get?

3. I have 50p. I buy a comic for 35p and a card for 15p.
How much change will I get?



Change from a pound



Work out change from a pound by **adding on**.
That's the easy way!

Example:

Spend 54p. How much change?

Add **6p** to 54p to make 60p

Add **40p** to 60p to make £1

answer **46p**

1. How much change will I get if I spend 85p ?

p

2. How much change will I get if I spend 76p ?

p

3. How much change will I get if I spend 91p ?

p

4. How much change will I get if I spend 67p ?

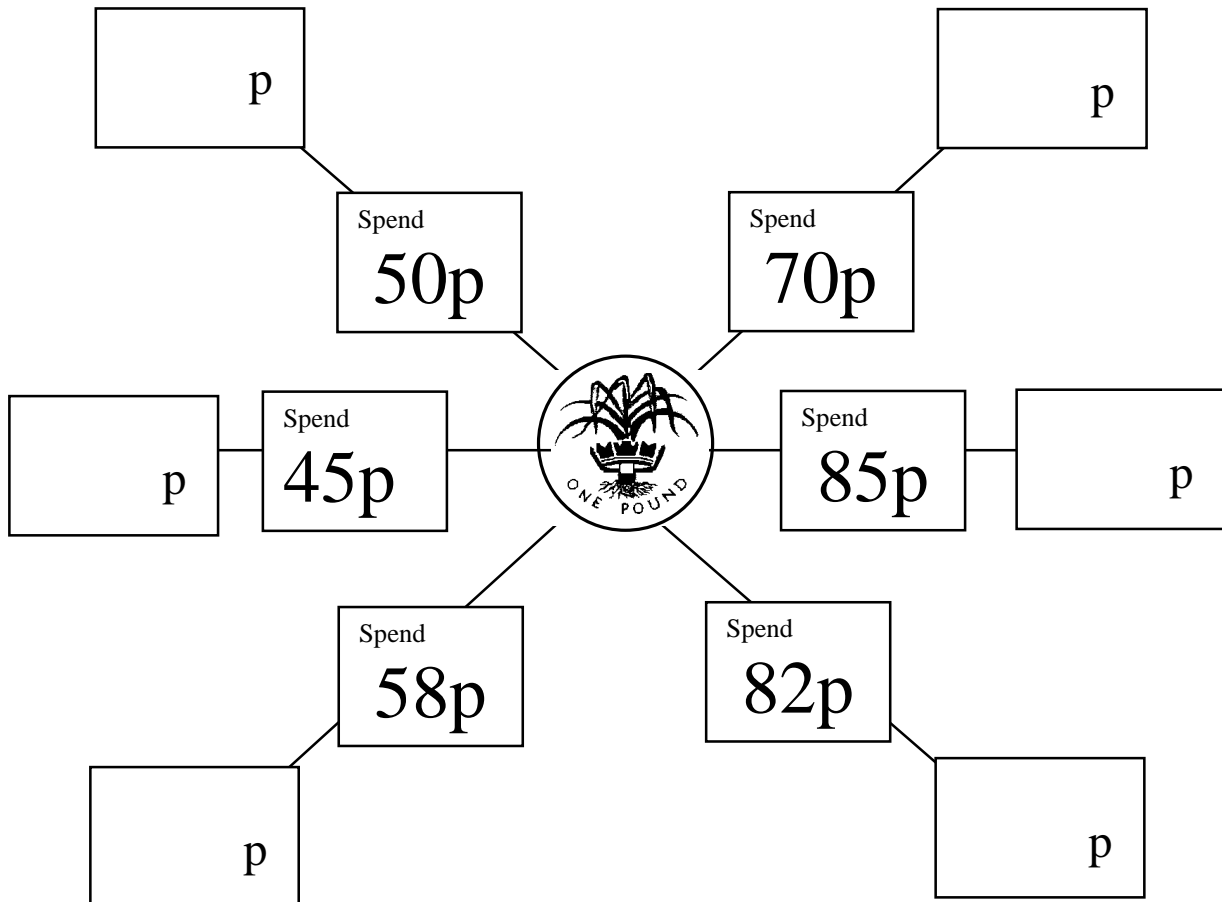
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5. How much change will I get if I spend 28p ?

p

6. How much change will I get if I spend 19p ?

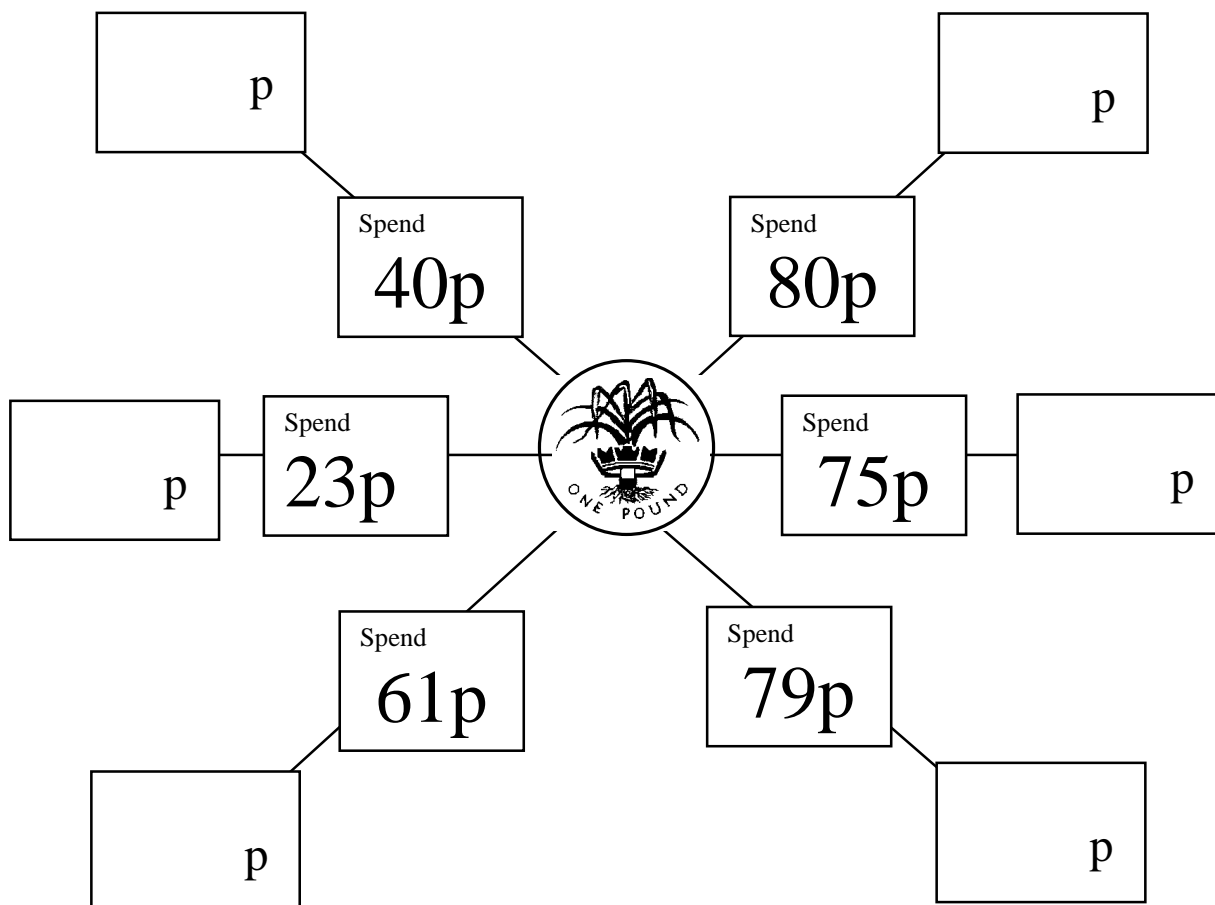
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Change from £1

1. I have £1. I spend 70p. How much change will I get?

2. I have £1. I spend 50p on chocolate and 30p for a drink.
How much change will I get?

3. I have £1. I buy crisps for 20p and yoghurt for 35p.
How much change will I get?

Change from £1

1. I have £1. I spend 20p. How much change will I get?

2. I have £1. I spend 35p on a pen and 45p on a folder.
How much change will I get?

3. I have £1. I buy ice lolly for 40p and a can of drink
for 60p. How much change will I get?

Money problems in words

The hard part of these is reading the question and working out what to do!

Have a go!!



PS - I can't swim!
Can you?

SWIMMING		
ADULTS	CHILDREN	FAMILY
£1.00	50P	£2.50

1. How much does it cost for two adults to go swimming?




2. How much does it cost for a family to go swimming?

3. How much does it cost for two children to go swimming?

4. How much does it cost for two adults and one child to go swimming?

5. How much does it cost for three adults and two children to go swimming?

Toy shop

Train	Car	Windmill
		
£2.00	£2.50	£1.50

1. How much does a toy car cost?

2. How much does the train and the windmill cost?

3. How much would two cars cost?

4. How much would two windmills cost?

5. If Joe bought two trains how much change from £5 would he get?

6. If Sam bought a car and a windmill, how much change from £5 would he get?

Answers**Page 3**

1. 345p 2. 266p 3. 350p 4. 102p 5. 560p 6. 777p

Page 4

1. 462p 2. 597p 3. 620p 4. 106p 5. 444p 6. 26p

Page 6

1. £1.37 2. £5.08 3. £1.72 4. £2.04 5. £0.36 6. £3.03 7. £0.21

Page 7

1. £7.21 2. £9.04 3. £2.83 4. £7.03 5. £0.83 6. £8.08 7. £0.11

Page 81. 455p 2. 387p 3. 227p 4. 589p 5. 703p 6. 609p 7. 103p 8. 106p
9. 66p 10. 22p 11. 98p 12. 25p 13. 666p 14. 724p 15. 909p 16. 404p**Page 9**1. 478p 2. 351p 3. 238p 4. 592p 5. 701p 6. 601p 7. 709p 8. 205p
9. 2p 10. 11p 11. 1p 12. 99p 13. 966p 14. 334p 15. 409p 16. 506p**Page 10**

1. £2.21 2. £1.52 3. £1.10 4. £1.10 5. £1.03

Page 11

1. £1.51 2. £2.20 3. £1.07 4. £1.06 5. £1.12

Page 12**Clockwise:** 30p, 20p, 35p, 24p, 9p, 15p 1. 10p 2. 20p 3. 5p**Page 13****Clockwise:** 10p, 40p, 15p, 23p, 7p, 25p 1. 30p 2. 16p 3. 0p**Page 14**

1. 15p 2. 24p 3. 9p 4. 33p 5. 72p 6. 81p

Page 15**Clockwise:** 50p, 30p, 15p, 18p, 42p, 55p 1. 30p 2. 20p 3. 45p**Page 16****Clockwise:** 60p, 20p, 25p, 21p, 39p, 77p 1. 80p 2. 20p 3. 0p

Answers**Page 17**

1. £2 2. £2.50 3. £1 4. £2.50 5. £4

Page 18

1. £2.50 2. £3.50 3. £5 4. £3 5. £1 6. £1