Convert pounds and pence

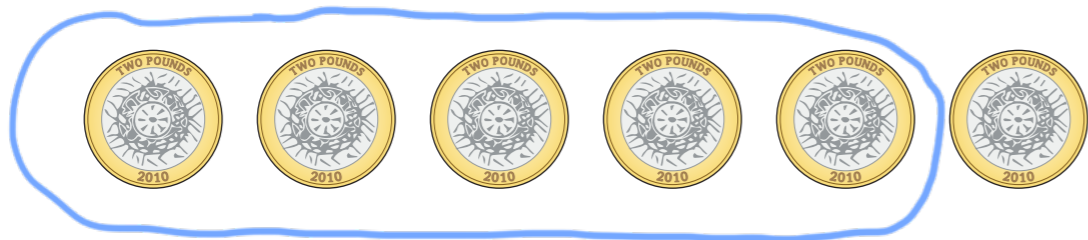**1** **a)** Circle £1

b) Circle £1
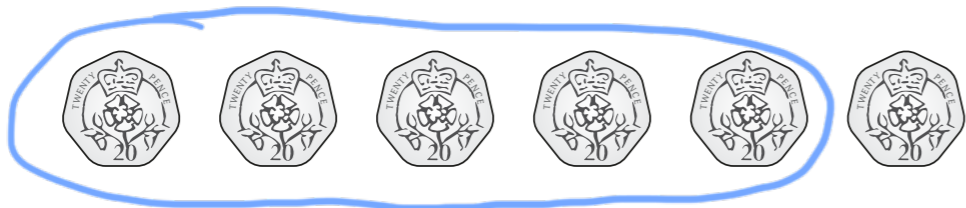
c) Circle £1

d) Circle £10

2 How many 1p coins do you need to make £1? **100**

3 Write the price of each item in pence.

RoboBoy £1 and 24p   **124** p
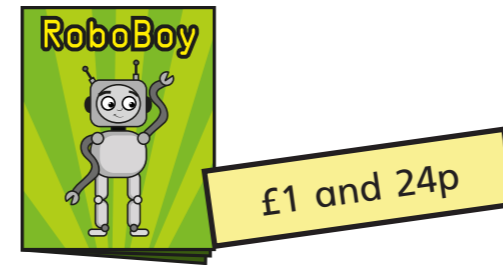
£2 and 24p   **224** p
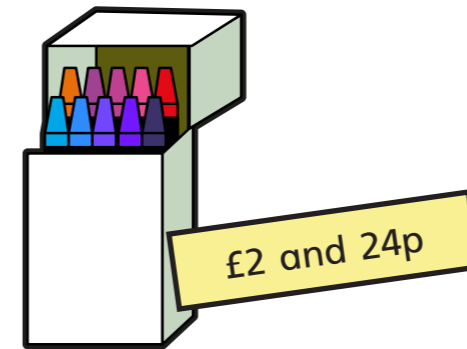
£6 and 45p   **645** p

4 Write each amount in pounds and pence.

a) 274p = £ **2** and **74** p   **b)** 592p = £ **5** and **92** p

374p = £ **3** and **74** p   591p = £ **5** and **91** p

474p = £ **4** and **74** p   590p = £ **5** and **90** p

c) 111p = £ 1 and 11 p

d) 405p = £ 4 and 5 p

5 Annie has some coins.

a) How much money does Annie have? £ 3 and 6 p

b) What is 10p more? £ 3 and 16 p

What is 10p less? £ 2 and 96 p

c) What is 100p more? £ 4 and 6 p

What is 100p less? £ 2 and 6 p

6 What amount is represented in each box?
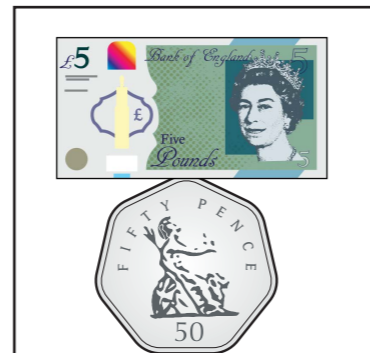
£ 5 and 5 p   £ 4 and 5 p   £ 5 and 50 p

7 Eva empties out her money box.
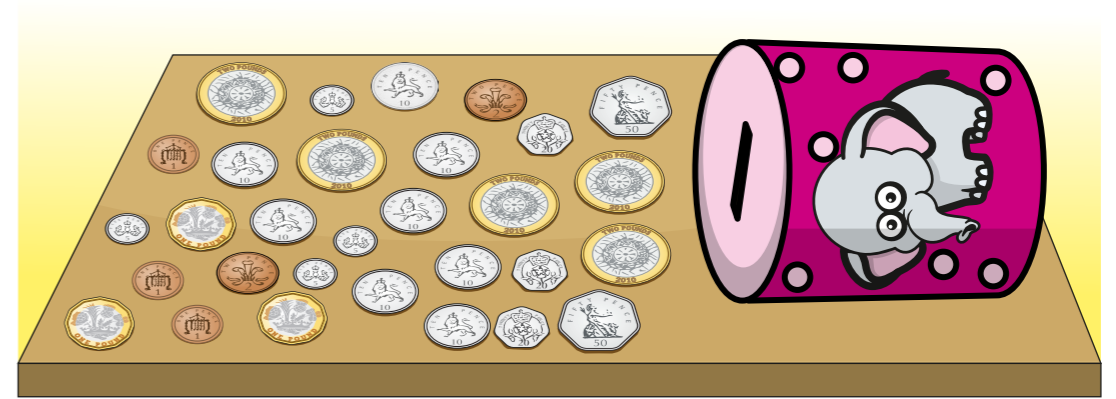
How much money was in her money box? £ 15 and 67 p

How did you count the coins? Compare with a partner.

8 **a)** What is the fewest number of coins you can use to represent 315p?

4 coins: £2, £1, 10p, 5p

b) Use 6 coins to make an amount that is more than £3, but less than £4. Draw your answer.

E.g.

£1 £1 £1 50p 10p 1p

Compare answers with a partner.

Add money

1 Complete the part-whole models.

a)
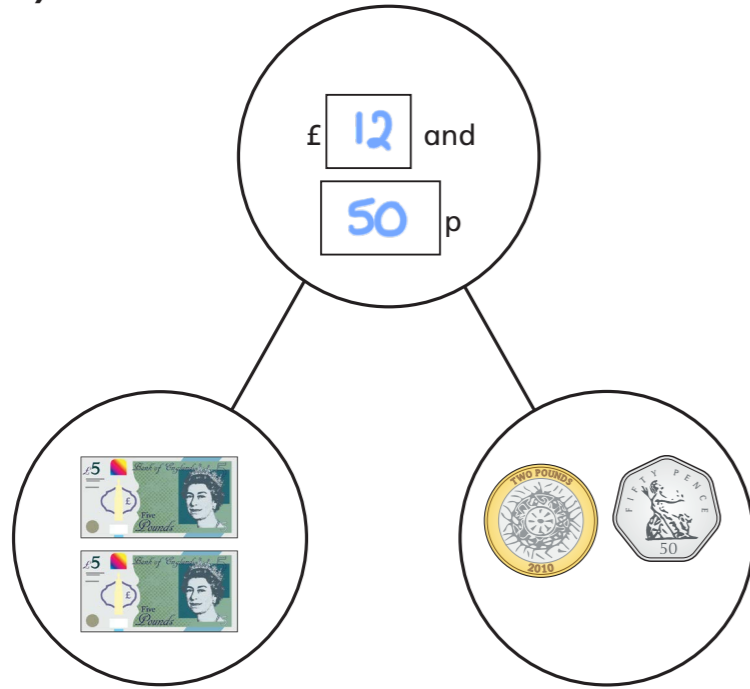
£ **12** and **50** p

£5, £5 | £2, 50

b)

£ **18** and **40** p

£5, £10 | £2, £1, 20, 20
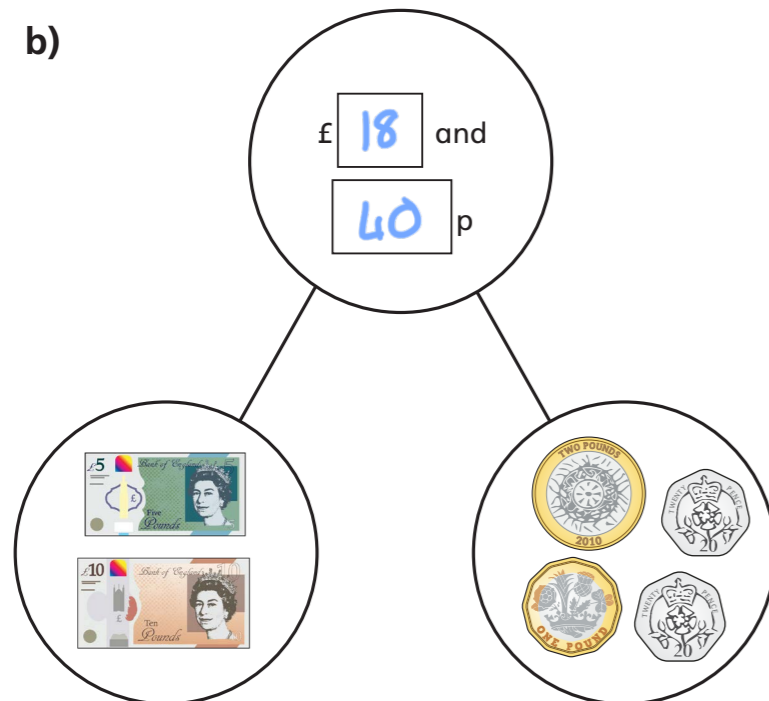
2 Dora buys two birthday cards.

HAPPY BIRTHDAY — £2 and 20p

HAPPY BIRTHDAY — £2 and 15p

Complete the sentences to show how much money Dora spends.

£ **2** + £ **2** = £ **4**

20 p + **15** p = **35** p

Dora spends £ **4** and **35** p.

3 Complete the number sentences.

a) £3 and 12p + £5 and 12p = £ **8** and **24** p

b) £3 and 30p + £5 and 30p = £ **8** and **60** p

c) £3 and 50p + £5 and 50p = £ **9** and **0** p

d) £4 and 50p + £5 and 50p = £ **10** and **0** p

What do you notice?

4 Brett has £6 and 55p.

Aisha has £2 and 55p.

How much money do they have altogether?

£ **9** and **10** p

5 Annie and Alex are having pizza for lunch.

Tomato pizza	£5 and 40p
Vegetable pizza	£7 and 75p
Potato wedges	£1 and 79p
Cheese bites	£2 and 83p

a) Annie orders a tomato pizza and cheese bites.
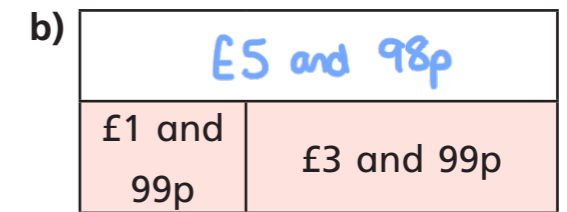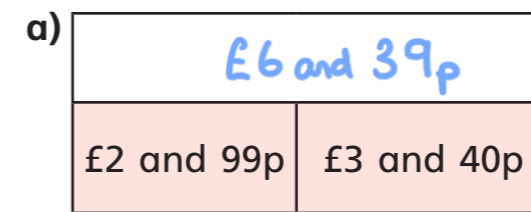How much does it cost?

£ **8** and **23** p

b) Alex has £10

She wants to buy potato wedges and a vegetable pizza.

Does she have enough money? _____ **Yes** _____

Explain your answer.

6 Mo buys a cap for £6 and 50p.

He also buys a key ring.

He spends £10 in total.

How much does the key ring cost?

£ **3** and **50** p

7 Complete the bar models.

a)

£6 and 39p	
£2 and 99p	£3 and 40p

b)

£5 and 98p	
£1 and 99p	£3 and 99p

8 Eva has £6 to spend.

£2 and 50p

99p

£3 and 49p

£1 and 35p

What can Eva buy?

_____ Various answers. _____

Compare answers with a partner.

1 Complete the part-whole models.

a)

£ **4**
and **50** p

b)

£ **11**
and **15** p
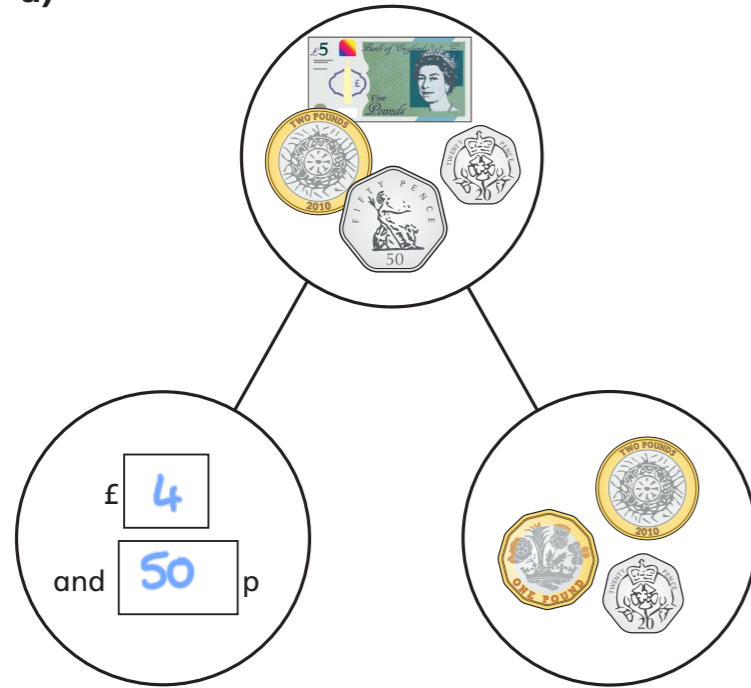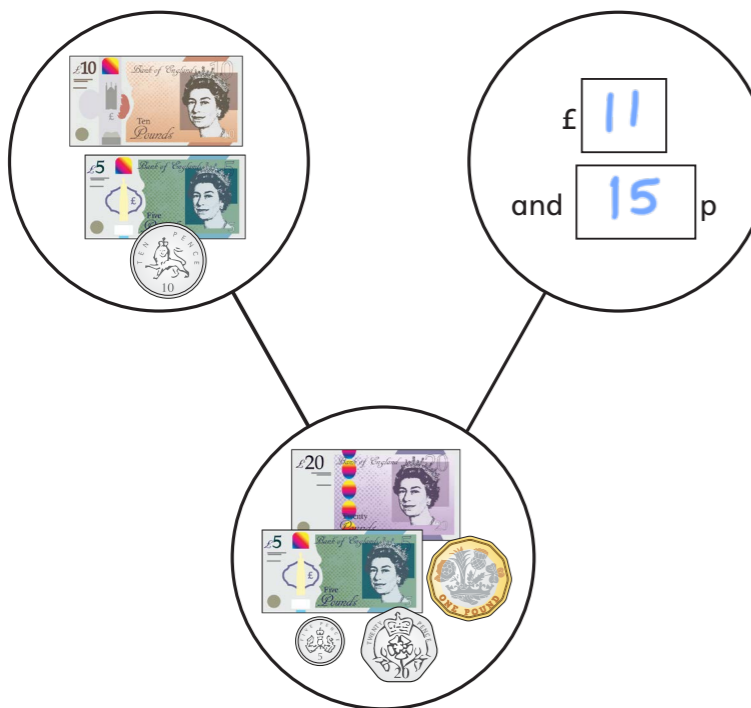
2 Tommy has £5 and 75p in his pocket.

He puts £2 and 50p in his money box.

How much is left in his pocket?

£ **3** and **25** p

3 Whitney has £4 and 80p.

She buys this pair of socks.

How much money does Whitney have left?

£2 and 65p

£ **2** and **15** p
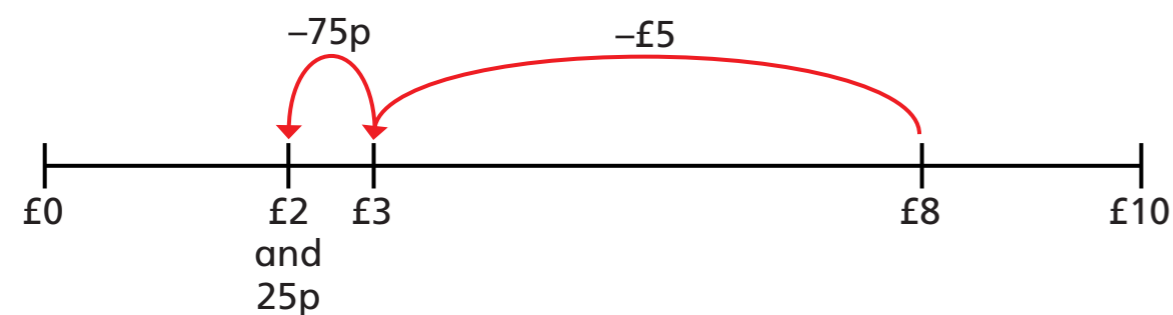
4 Complete the statements.

a) £8 and 65p – £5 and 25p = £ `3` and `40` p

b) £8 and 65p – £5 and 65p = £ `3` and `0` p

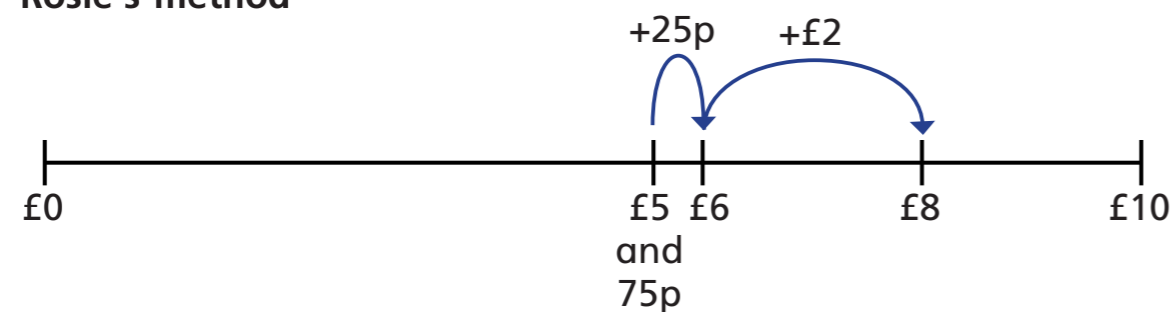**c)** £8 and 65p – £8 and 30p = £ `0` and `35` p

5 Amir and Rosie use a number line to subtract £5 and 75p from £8

Amir's method

Rosie's method

Amir and Rosie both get £2 and 25p as their answer.

a) Explain each of these methods to a partner.

b) Whose method do you prefer? _`various answers`_

Explain why.

_____

_____

6 Complete the number sentences.

a) £3 and 50p – £1 and 20p = £ `2` and `30` p

b) £3 – £1 and 50p = £ `1` and `50` p

c) £6 and 15p – £2 and 85p = £ `3` and `30` p

d) £8 and 7p – £3 and 54p = £ `4` and `53` p

7 Complete the bar models.

a)

£8 and 99p	
£8 and 96p	`3p`

b)

£9 and 15p	
`£8 and 53p`	62p
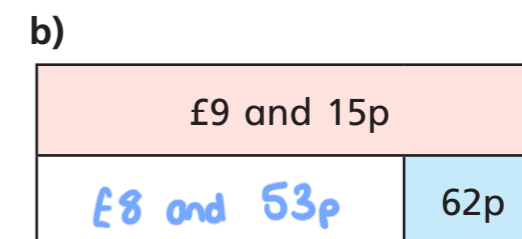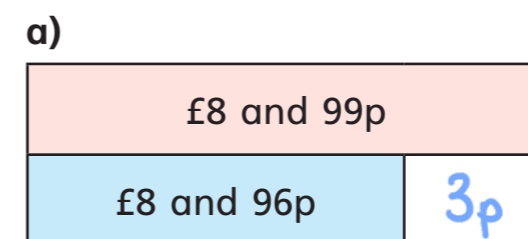
The 3 times-table

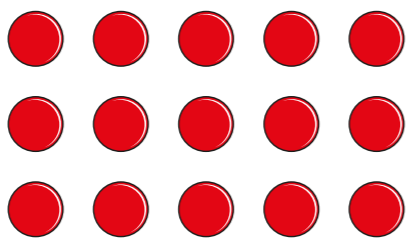**1** Complete the multiplications.

a)

$$\boxed{8} \times \boxed{3} = \boxed{24}$$

b)

$$\boxed{3} \times \boxed{4} = \boxed{12}$$

2 Dani makes an array using counters.

Write two multiplication and two division facts represented by the array.

$$\boxed{3} \times \boxed{5} = \boxed{15}$$

$$\boxed{5} \times \boxed{3} = \boxed{15}$$

$$\boxed{15} \div \boxed{3} = \boxed{5}$$

$$\boxed{15} \div \boxed{5} = \boxed{3}$$

3 Complete the number sentences.

a) $6 \times 3 = \boxed{18}$

b) $3 \times \boxed{9} = 27$

c) $\boxed{33} \div 11 = 3$

d) $\boxed{15} \div 3 = 5$

e) $12 \times 3 = \boxed{36}$

f) $\boxed{0} \times 3 = 0$

4 Complete the number sentences.

a) $2 \times 3 = \boxed{6}$

$4 \times 3 = \boxed{12}$

$8 \times 3 = \boxed{24}$

b) $6 = 3 \times \boxed{2}$

$12 = 3 \times \boxed{4}$

$18 = 3 \times \boxed{6}$

What patterns do you notice?

5 Write <, > or = to compare the statements.

a) $33 \div 11 \;\boxed{=}\; 3$

b) $27 \;\boxed{>}\; 30 \div 3$

c) $9 \div 3 \;\boxed{<}\; 3 \times 6$

d) $6 \times 3 \;\boxed{>}\; 6 \div 3$

e) $3 \times 6 \;\boxed{>}\; 18 \div 3$

f) $0 \times 3 \;\boxed{<}\; 3 \div 3$

6 Colour all the numbers in the 3 times-table.

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

What two patterns do you notice?

7 Work out the missing values in each bar model.

a)

18

3	3	3	3	3	3

b)

36

12	12	12
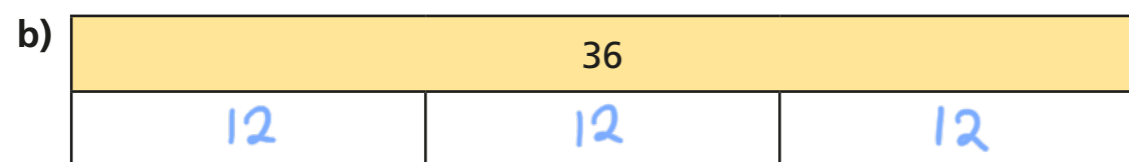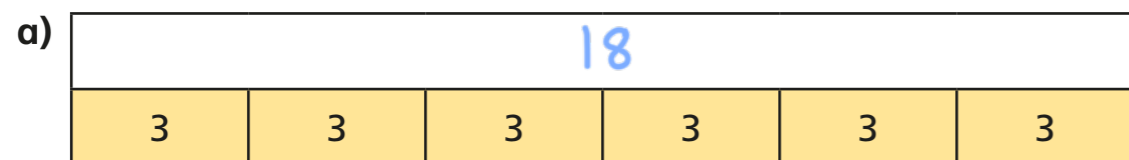
8 Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers? __Eva__

9 a) Complete the multiplications.

Are the answers odd or even? Tick your answer.

	odd	even
$1 \times 3 = 3$	✓	☐
$2 \times 3 = $ **6**	☐	✓
$3 \times 3 = $ **9**	✓	☐
4 $\times 3 = 12$	☐	✓

b) What would the next multiplication be?

5 $\times 3 = $ **15**

c) What do you notice about the products?

d) Will the product of 11×3 be odd or even? __Odd__

10 Use the fact that $12 \times 3 = 36$ to work out the calculations.

$13 \times 3 = $ **39**

$3 \times 15 = $ **45**

$14 \times 3 = $ **42**

$24 \times 3 = $ **72**

How did you work this out?

Did you find the answers in the same way as your partner?