Varied Fluency
Step 4: Four Operations

National Curriculum Objectives:

Mathematics Year 4: (4M9) Estimate, compare and calculate different measures, including money in pounds and pence
Mathematics Year 4: (4F10b) Solve simple measure and money problems involving fractions and decimals to two decimal places

Differentiation:

Developing Questions to support solving money problems using four operations (whole numbers and pounds and pence).
Expected Questions to support solving money problems using four operations (using decimals).
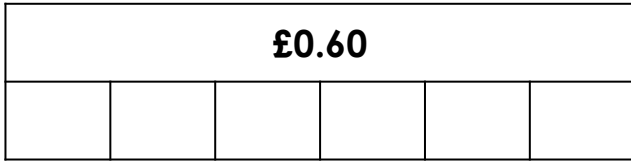**Greater Depth** Questions to support solving problems using four operations (using decimals and a mixture of pounds and pence and some conversions required).

More Year 4 Money resources

Did you like this resource? Don't forget to review it on our website.
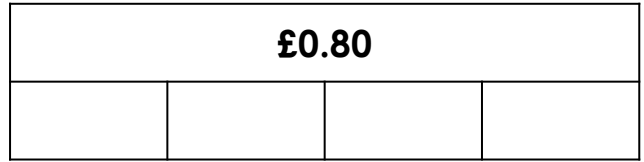
1a. Which coins would complete this bar model?

£0.60

You can use coins more than once.

⭐D

VF

1b. Which coins would complete this bar model?
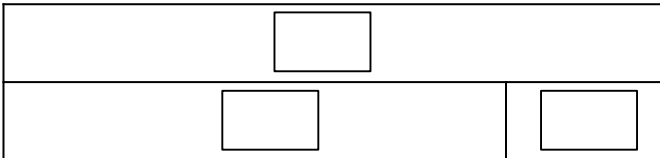
£0.80

You can use coins more than once.

⭐D

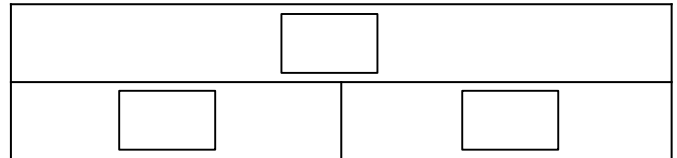VF

2a. Complete the bar model for the problem.

Casey has £12. She spends £1.50. How much does she have left?

⭐D

VF

2b. Complete the bar model for the problem.

Hashim has £22. After he has visited the shops, he has half of his money left. How much did he spend?

⭐D

VF

3a. Calculate the missing numbers:

☐ x 5 = 45p

£1.75 + ☐ = £2

⭐D

VF

3b. Calculate the missing numbers:

£50 – ☐ = £24

☐ x 30p = 90p

⭐D

VF

4a. The table below shows the entrance prices for a Science museum.

	Weekday	Weekend
Adult	£8	£10
Child	£4.50	£5.50

How much would it cost for one adult and one child to visit the Science Museum at the weekend?

⭐D

VF

4b. The table below shows the entrance prices for the Sea Creatures Centre.

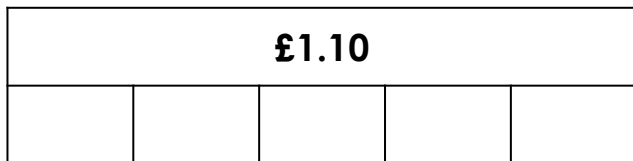|	Weekday	Weekend
Adult	£15	£22
Child	£7.50	£10.25

How much would it cost for an adult and a child to visit the Sea Creatures Centre at the weekend?

⭐D

VF

classroomsecrets.co.uk
Varied Fluency – Four Operations – Year 4 Developing

Four Operations

Four Operations

5a. Which coins would complete this bar model?

£1.10

You can use coins more than once.

VF

5b. Which coins would complete this bar model?
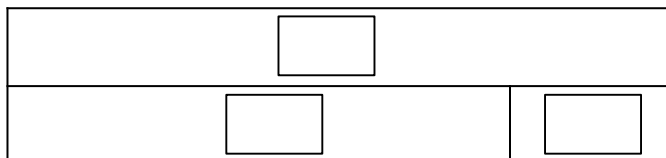
£3.60
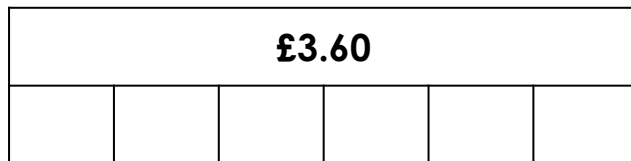
You can use coins more than once.

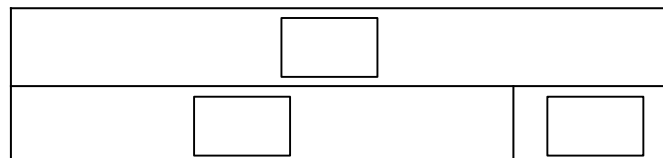VF

6a. Complete the bar model for the problem.

Emma has £24.50. She spends £3.75 How much does she have left?

VF

6b. Complete the bar model for the problem.

Lesley has £36. After he has visited the shops, he has a quarter of his money left. How much did he spend?

VF

7a. Calculate the missing numbers:

$$\boxed{} \quad + \quad £2.65 \quad = \quad £5$$

$$8 \quad \times \quad \boxed{} \quad = \quad £2.40$$

VF

7b. Calculate the missing numbers:

$$£10 \quad - \quad \boxed{} \quad = \quad £3.82$$

$$\boxed{} \quad \div \quad 10 \quad = \quad £0.20$$

VF

8a. The table below shows the entrance prices for the funfair.

	Weekday	Weekend
Adult	£15.50	£18.50
Child	£7.75	£9.25

How much would it cost for one adult and two children to visit the funfair during the week?

VF

8b. The table below shows the entrance prices for the zoo.

	Weekday	Weekend
Adult	£17	£21.25
Child	£9.50	£12.50

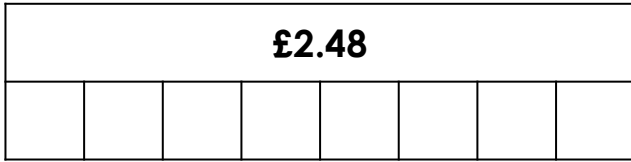How much would it cost for two adults and two children to visit the zoo at the weekend?

VF

classroomsecrets.co.uk
Varied Fluency – Four Operations – Year 4 Expected

9a. Which coins would complete this bar model?

£2.48

You can use coins more than once.

9b. Which coins would complete this bar model?

£10.45
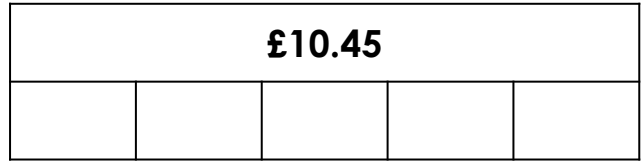
You can use coins more than once.

10a. Draw a bar model to show:

Rosa spends £4.86 on a birthday present, 78p on wrapping paper and £1.55 on a card. What is the total amount spent?

10b. Draw a bar model to show:

Corbin has £48.80 to spend on a party. He spends five eighths of his money on food and a quarter on drinks. How much has he got left to spend on decorations?

11a. Calculate the missing numbers:

$$\boxed{} = £3.60 \div 9$$

$$6 \times \boxed{} = £3.66$$

11b. Calculate the missing numbers:

$$£12.87 = \boxed{} - 399p$$

$$\boxed{} + £4.56 + 584p = £20$$

12a. The table below shows the entrance prices for the theme park.

	Nov – Mar	Apr – Oct
Adult	£15.85	£25.85
Child	£8.99	£18.99
Family (2 adults and 2 children)	£45	£85

How much cheaper is it for 2 adults and 2 children to buy a family ticket than buy separate tickets during May?

12b. The table below shows the prices for train tickets.

*Railcard users benefit from half price tickets.	07.00 – 09.00 and 16.00 – 18.00	All other times
Adult	£8.75	£6.40
Child	£4.35	£3.80

How much does it cost for 3 adults and 4 children to travel at 2.30pm if one adult and one children have a railcard?

Varied Fluency
Four Operations

Varied Fluency
Four Operations

Developing

1a. Possible answer:

£0.60					

2a.

£12	
£10.50	£1.50

Casey has £10.50 left.

3a. 9p and 25p

4a. £15.50

Expected

5a. Possible answer:

£1.10				

6a.

£24.50	
£20.75	£3.75

Emma has £20.75 left.

7a. £2.35 and £0.30 (or 30p)

8a. £31

Greater Depth

9a. Possible answer:

£2.48							

10a.

£7.19		
£4.86	£1.55	78p

Rosa spends £7.19 in total.

11a. £0.40 or 40p and £0.61 or 61p

12a. It is £4.68 cheaper to buy a family ticket than tickets for 2 adults and 2 children

Developing

1b. Possible answer:

£0.80			

2b.

£22	
£11	£11

Hashim spent £11.

3b. £26 and 3

4b. £32.25

Expected

5b. Possible answer:

£3.60					

6b.

£36	
£27	£9

Lesley has spent £27.

7b. £6.18 and £2

8b. £67.50

Greater Depth

9b. Possible answer:

£10.45				

10b.

£48.80		
£12.20	£30.50	£6.10

Corbin has £6.10 left to spend.

11b. £16.86 and £9.60.

12b. Altogether, the tickets would cost £29.30.

classroomsecrets.co.uk
Varied Fluency – Four Operations ANSWERS