

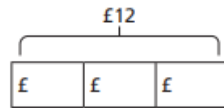
Good morning Year 4s, for maths today, please go to <https://whiterosemaths.com/homelearning/year-4/> and find Summer term - week 9 and watch the video 'Problem Solving with money' and then complete the worksheet and additional problems below. I have also set a task on **Sundog** for you.

Four operations

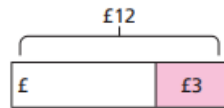


1 a) Match the problems to the bar models.

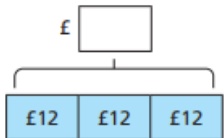
Nijah has £12. Her mum gives her £3 more. How much does she have now?



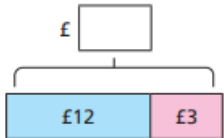
Nijah has £12. She buys a book for £3. How much does she have now?



Nijah has £12. She shares it between 3 of her friends. How much does each friend get?



Nijah has £12. Her friend has 3 times as much. How much does her friend have?



b) Complete the bar models.

- 2 A child's ticket to the cinema costs £4.50 and an adult's ticket costs £7.95. Dexter wants to know how much more an adult's ticket costs than a child's ticket.



I just need to add £7.95 to £4.50 to find out how much more.

Do you agree with Dexter? _____

Explain your answer.

- 3 Whitney is finding the total of £23.70 and £34.40



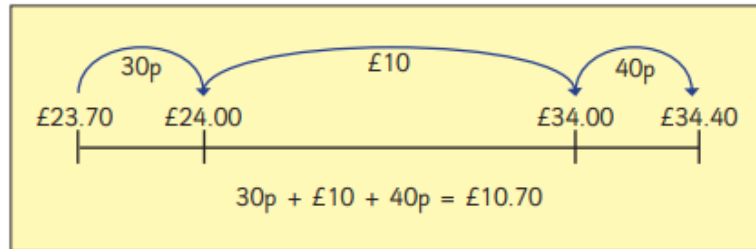
I can add £23 and £34 together to give £57 and add 70p and 40p together to give £1.10 and then combine the two parts. So the total is £58.10

Use Whitney's method to complete the additions.

a) $£8.60 + £7.80 =$

b) $£11.80 + £9.25 =$

- 4 Teddy uses a number line to find the difference between £23.70 and £34.40



Use Teddy's method to help you complete the sentences.

a) The difference between £17.30 and £32.45 is

b) The difference between £42.11 and £22.65 is

- 5 A shop sells these items.



£5.40



£9.10



£21.99



£3.60

- a) Scott buys some marbles, a book and a cap.

He pays with a £20 note.

How much change does he get?

£

- b) Esther buys three sets of headphones.

She has a voucher for £5 off the total.

How much does Esther need to pay?

£

- c) Dani buys a cap and some marbles.

Tom buys a book.

How much more does Dani spend than Tom?

£

- 6 The board shows the cost of different rides at a theme park. Some of the prices are missing.

Use the clues to work out the missing prices.

- Frenzy costs one quarter of the price of Galaxy.
- Speedster costs double the price of Up 'n' Down.
- The combined cost of Galaxy and Up 'n' Down is £17.20

Up 'n' Down	£	<input type="text"/>
Speedster	£	<input type="text"/>
Galaxy	£12.80	
Frenzy	£	<input type="text"/>

Money problems using all four operations

Questions involving all four operations

1. A pen costs £4.85 and a book costs £3.70. Find the total cost.

2. Two items cost £6.24. If one cost £4.38 how much did the other item cost?

3. Petrol cost £16.42. How much change will I get from £20?

4. Find the cost of 4 bars of chocolate at £1.86 each.

5. I spent £5.76 at one shop and £9.58 at another shop. How much did I spend altogether?

6. On a journey, bus fares for 4 adults cost £15.68. What was the bus fare for 1 person?

7. Material costs £6.49 per metre. Find the cost of five metres.

8. If I saved £116.76 in 6 weeks, how much did I save each week?

9. Joel saves £12.45 a week for 8 weeks. How much does he save altogether?

10. Two books and a CD cost £20. If the CD costs £7, how much does each of the books cost?

Four operations

Work on these Maths

- 1 a) Match the problems to the bar models.

<p>Nijah has £12. Her mum gives her £3 more. How much does she have now?</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td colspan="4">£12</td></tr> <tr><td>£ 4</td><td>£ 4</td><td>£ 4</td><td>£ 4</td></tr> </table>	£12				£ 4	£ 4	£ 4	£ 4
£12									
£ 4	£ 4	£ 4	£ 4						
<p>Nijah has £12. She buys a book for £3. How much does she have now?</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td colspan="2">£12</td></tr> <tr><td>£ 9</td><td>£ 3</td></tr> </table>	£12		£ 9	£ 3				
£12									
£ 9	£ 3								
<p>Nijah has £12. She shares it between 3 of her friends. How much does each friend get?</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td colspan="2">£ 36</td></tr> <tr><td>£12</td><td>£12</td><td>£12</td></tr> </table>	£ 36		£12	£12	£12			
£ 36									
£12	£12	£12							
<p>Nijah has £12. Her friend has 3 times as much. How much does her friend have?</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><td colspan="2">£ 15</td></tr> <tr><td>£12</td><td>£ 3</td></tr> </table>	£ 15		£12	£ 3				
£ 15									
£12	£ 3								

- b) Complete the bar models.

Answers

- 2 A child's ticket to the cinema costs £4.50 and an adult's ticket costs £7.95. Dexter wants to know how much more an adult's ticket costs than a child's ticket.



I just need to add £7.95 to £4.50 to find out how much more.



Do you agree with Dexter? No
Explain your answer.

- 3 Whitney is finding the total of £23.70 and £34.40

I can add £23 and £34 together to give £57 and add 70p and 40p together to give £1.10 and then combine the two parts. So the total is £58.10

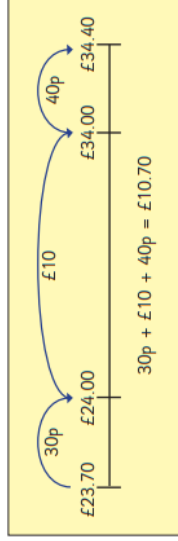


Use Whitney's method to complete the additions.

a) $£8.60 + £7.80 =$ £16.40

b) $£11.80 + £9.25 =$ £21.05

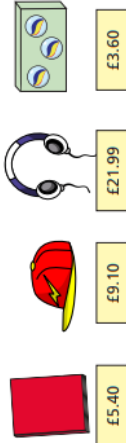
- 4 Teddy uses a number line to find the difference between £23.70 and £34.40



Use Teddy's method to help you complete the sentences.

- a) The difference between £17.30 and £32.45 is £15.15
- b) The difference between £42.11 and £22.65 is £19.46

- 5 A shop sells these items.



- a) Scott buys some marbles, a book and a cap. He pays with a £20 note. How much change does he get?

£ 1.90

- b) Esther buys three sets of headphones.

She has a voucher for £5 off the total.

How much does Esther need to pay?

£ 60.97

- c) Dani buys a cap and some marbles.

Tom buys a book.

How much more does Dani spend than Tom?

£ 7.30

- 6 The board shows the cost of different rides at a theme park. Some of the prices are missing.

Use the clues to work out the missing prices.

- Frenzy costs one quarter of the price of Galaxy.
- Speedster costs double the price of Up 'n' Down.
- The combined cost of Galaxy and Up 'n' Down is £17.20



Questions involving all four operations

1. £8.55 2. £1.86 3. £3.58 4. £7.44

5. £15.34 6. £3.92 7. £32.45 8. £19.46

9. £99.60 10. £6.50