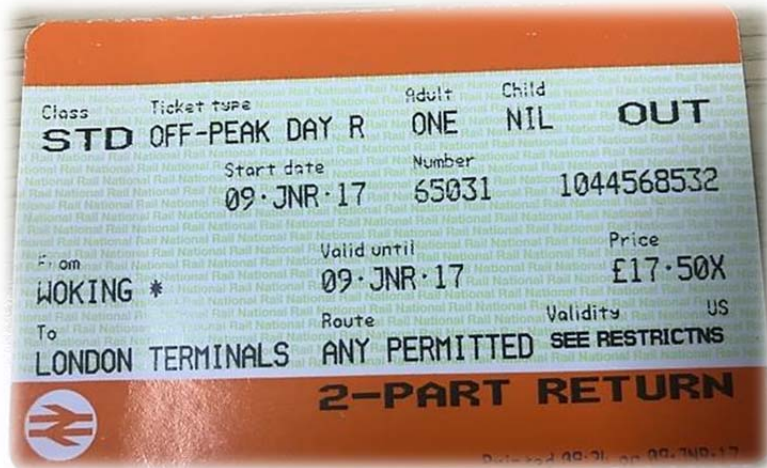# A train journey to London

Name _____ Date _____

You are going to look at the costs of going to London. You will go there by train.

A. Look at this train ticket and read the information on it.

1. What date was the ticket valid for?

_____

2. Where is the ticket from?

_____

3. Where is the ticket to?

_____

4. How much did the ticket cost?

_____

5. You have £20 to pay for a ticket. Use subtraction to find out what your change would be if you bought this ticket? Show your working out.

2 0 . 0 0

1 7 . 5 0

_____

A train journey to London

Name _____ Date _____

B. Look at your train ticket and read the information on it.

6. You go to London with a friend. You get tickets on special offer at **£12 each**.

    Use addition to add up the cost of the two tickets to London Waterloo.

    £ 1 2 . 0 0

    £ 1 2 . 0 0
    _____

    _____

7. You give the train guard £30 to pay for your two tickets.

    Use subtraction to work out the change you will get.

    30 . 0 0

    ____ . 0 0
    _____

    _____

    Check your answer on a calculator.

_____

8. Round the total cost of two tickets to the nearest £10

_____

A train journey to London

Name _____ Date _____
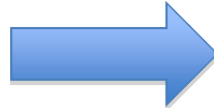
C. Online research.

9. Use **Google** to find the South West Trains web site.

   Click on **Plan your journey.**

   Go to **Buy tickets** and add <u>From</u> *Woking* <u>To</u> *London Waterloo*

   Click on **single ticket**   Buy Tickets

a) Find out the time of the next train from Woking to London Waterloo.

Time _____

b) What is the cost of the train ticket?

Cost _____

10. is this more or less money than the train ticket you have (see page 2)?

_____

11. Round the cost of the ticket to the nearest (a) £10 and to the nearest (b) £1.

a) _____   b) _____

12. Use addition to add the cost of <u>two</u> single tickets. Show your working out below.

13. Round this cost to the nearest £10. _____

14. It costs £2 an hour to stay in the car-park. You will need to pay for 4 hours.

   Use multiplication to find out the cost of the car-park.

A train journey to Glasgow

Name _____ Date _____

(E3 extension exercises)

You and a friend are going to Glasgow to meet some more friends.

You will go there by train.

15. Use **Google** to find the Virgin Trains web site. Go to **Book your journey.**

Leaving from: **Euston London** → to **Glasgow**

You want a train that leaves tomorrow before 8am.

Select **One way**. → Click **Go**.

16 a) How much is an Advance Standard ticket? _____

b) How much is an Advance First Class ticket? _____

c) Use subtraction to find the difference between the two prices.

Show your working out below.

17. You are going to buy two of the cheapest tickets. Use addition to find the cost.

Show your working out.

18. Round the cost of the two tickets to the nearest £100.

_____

Train journeys
Curriculum mapping

FUNCTIONAL MATHEMATICS **Coverage and Range statements (indicative only)**
Coverage and range statements provide an indication of the type of mathematical content candidates are expected to apply in functional contexts. Relevant content can also be drawn from equivalent National Curriculum levels and the Adult Numeracy standards.   ✓ *indicates the main coverage and range skills covered in this resource, although these will vary with the student group and how the resource is used by the teacher.*

Entry Level 2

a) understand and use whole numbers with up to two significant figures ✓
b) understand and use addition/subtraction in practical situations ✓
c) use doubling and halving in practical situations ✓
d) recognise and use familiar measures, including time and money ✓

e) recognise sequences of numbers, including odd and even numbers
f) use simple scales and measure to the nearest labelled division
g) know properties of simple 2D and 3D shapes
h) extract information from simple lists

Entry Level 3

a) add and subtract using three-digit numbers
b) solve practical problems involving multiplication and division by 2, 3, 4, 5 and 10 ✓
c) round to the nearest 10 or 100 ✓
d) understand and use simple fractions
e) understand, estimate, measure and compare length, capacity, weight and temperature
f) understand decimals to two decimal places in practical contexts ✓

g) recognise and describe number patterns
h) complete simple calculations involving money and measures ✓
i) recognise and name simple 2D and 3D shapes and their properties
j) use metric units in everyday situations
k) extract, use and compare information from lists, tables, simple charts and simple graphs ✓

References: Ofqual (2009), *Functional Skills criteria for Mathematics: Entry 1, Entry 2, Entry 3, level 1 and level 2.* This resource also covers many **adult numeracy** http://www.excellencegateway.org.uk/ elements.