**On the subject of Maintenance…**

The module contains a number plate, a job scroller, a fix button and a memo of the number of jobs that require completion: 2, 3 or 4.

Use the number plate to calculate information about the car.

Use the Venn diagram and ordering rules to determine the jobs that require maintenance and in what order.

**Number Plate**

The number plate is broken down into three parts:

The first two letters tell you the model of the car. The value in brackets is the car value multiplier.

HN: Honda (2)

RN: Renault (3)

FD: Ford (4)

MA: Mazda (5)

BM: BMW (6)

AD: Audi (7)

BN: Mercedes-Benz (8)

PC: Porsche (9)

FR: Ferrari (10)

The first two numbers tell you when the car was manufactured. New number plates are released in the UK in March and September. It is currently January 2020. The numbers in brackets show the base value of any car of that age. To find the car’s value, multiply the base value by the car value multiplier.

51: Sept 2001 (£50)

02: Mar 2002 (£60)

52: Sept 2002 (£60)

03: Mar 2003 (£70)

53: Sept 2003 (£70)

04: Mar 2004 (£80)

54: Sept 2004 (£80)

05: Mar 2005 (£90)

55: Sept 2005 (£90)

06: Mar 2006 (£100)

56: Sept 2006 (£100)

07: Mar 2007 (£125)

57: Sept 2007 (£125)

08: Mar 2008 (£150)

58: Sept 2008 (£150)

09: Mar 2009 (£175)

59: Sept 2009 (£175)

10: Mar 2010 (£200)

60: Sept 2010 (£200)

11: Mar 2011 (£250)

61: Sept 2011 (£250)

12: Mar 2012 (£300)

62: Sept 2012 (£300)

13: Mar 2013 (£400)

63: Sept 2013 (£400)

14: Mar 2014 (£500)

64: Sept 2014 (£500)

15: Mar 2015 (£600)

65: Sept 2015 (£600)

16: Mar 2016 (£700)

66: Sept 2016 (£700)

17: Mar 2017 (£800)

67: Sept 2017 (£800)

18: Mar 2018 (£900)

68: Sept 2018 (£900)

19: Mar 2019 (£1,000)

69: Sept 2019 (£1,000)

The final three letters of the plate are random. The final letter will tell you the insurance company. Please note, the letters I, O, Q & Z are never used on UK number plates:

ABC: Admiral

DEF: Swift

GHJ: Axa

KLM: Swinton

NPR: Aviva

STU: RAC

VW: AA

XY: Hastings Direct

**Potential jobs**

The jobs you may encounter and their prices are listed below. Jobs designated with [H] are considered “heavy” jobs.

1. Wash: £3
2. Headlight bulb: £6
3. Wiper replacement: £10
4. Oil change: £15
5. Brake fluid change: £25
6. Windscreen chip: £40
7. One tyre: £80
8. Windscreen replacement [H]: £150
9. Two tyres: £160
10. Four tyres: £320
11. Exhaust welding [H]: £500
12. Head gasket replacement [H]: £750

**Insurance Perks**

Insurance companies may cover different elements of the maintenance. The maintenance must still be undertaken, but no cost is incurred.

Oil change: Hastings Direct, Swift & AA

One tyre: Swift & Aviva

Two tyres: Aviva

Windscreen chip: Axa, RAC, Swinton & AA

Windscreen replacement: RAC

Brake fluid change: AA & Admiral

**Write-off status**

Occasionally, a car may be deemed to be a write-off. If a car is a write-off, irrespective of how many or which jobs are required, select the write-off option in the job scroller. A car is a write-off if:

* It is a pre-2004 Honda
* The cost of repairs is greater than the value of the car

**Required maintenance**

Use the Venn diagram to determine which jobs need to be performed. Use the order in which the jobs are displayed in the below table. For example, if the table shows 5-4-3-1 and only two jobs are required, jobs 5 and 4 should be undertaken.

A: 5 – 1 – 9 – 11

B: 2 – 12 – 8 – 10

C: 3 – 2 – 1 – 6

D: 4 – 10 – 6 – 1

E: 6 – 4 – 10 – 2

F: 8 – 4 – 5 – 12

G: 1 – 7 – 3 – 6

H: 12 – 5 – 3 – 8

I: 1 – 7 – 6 – 11

J: 7 – 11 – 1 – 2

K: 1 – 10 – 11 – 12

L: 7 – 3 – 5 – 8

M: 2 – 9 – 11 – 3

N: 1 – 2 – 3 – 4

O: 11 – 9 – 2 – 5

P: 8 – 7 – 5 – 3

**Ordering rules**

Jobs should be carried out in accordance with the following rules:

* Oil change and wash should be done last. If both are required, change oil first.
* Windscreen chip and Brake fluid change must be done first. If both are required, windscreen chip is first.
* Heavy jobs must be carried out before any tyre work.
* All other jobs should be done in order from cheapest to dearest.