1 Write the missing numbers.

[2012]

$$57 + \boxed{68} = 125$$

$$5 \times \boxed{35} = 175$$

[2 marks]

2 Write the correct sign **=**, **>** or **<** in each circle.

[2011]

9 × 3 **<** 8 × 4
27   32

9 − 3 **>** 8 − 4
6   4

9 + 3 **=** 8 + 4
12   12

9 ÷ 3 **<** 8 ÷ 4
1   2

[2 marks]

3

[2010]

Join each of these calculations to the number that is **nearest** to the correct answer.

One has been done for you.

NOTE THAT YOU ONLY NEED TO WORK OUT APROXIMATE ANSWERS

110 + 230	→	100
340		200
357 − 149		300
208		400
62 × 8		500
496		
777 − 679		
98		
801 − 444		
357		

[2 marks]

4

[2007]

Write in the missing numbers.

$$\boxed{15} + 75 = 90$$

$$4 \times \boxed{50} = 200$$

[2 marks]

5

Write in the missing numbers.

$35 \times \boxed{4} = 140$

$633 - \boxed{599} = 34$

[2 marks]

6

Write in the missing numbers.

$\boxed{115} + 85 = 200$

$4 \times \boxed{30} = 120$

$120 - 51 = \boxed{69}$

[2 marks]

7

Write in the missing numbers.

$55 + \boxed{65} = 120$

$600 \times 4 = \boxed{2400}$

[2 marks]

8

[2003]

Write in the missing numbers.

$$37 \times \boxed{3} = 111$$

$$225 - \boxed{75} = 150$$

$$\boxed{84} \div 4 = 21$$

[2 marks]

9

[2002]

Write in the missing numbers.

$$22 \times \boxed{30} = 660$$

$$\boxed{184} - 75 = 109$$

[2 marks]

10

[2015]

Write the missing numbers.

$$150 - \boxed{63} = 87$$

$$90 \times \boxed{5} = 450$$

[2 marks]

Draw a line from each card to the correct part of the number line.
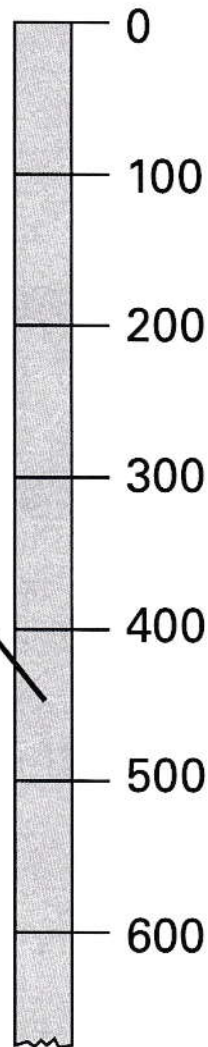
One has been done for you.

283 + 159

29 × 18
522

720 ÷ 45
16

759 – 484
272

Number line:
- 0
- 100
- 200
- 300
- 400
- 500
- 600

$$29 \times 18$$
$$\frac{23^72 \quad (\times 8)}{290 \quad (\times 10)}$$
$$522$$

$$\begin{array}{r} 016 \\ 45\overline{)720} \\ 45 \\ \overline{270} \\ 270 \\ \overline{0} \end{array}$$

$$\begin{array}{r} ^6\!\!\not7^159 \\ -484 \\ \hline 275 \end{array}$$
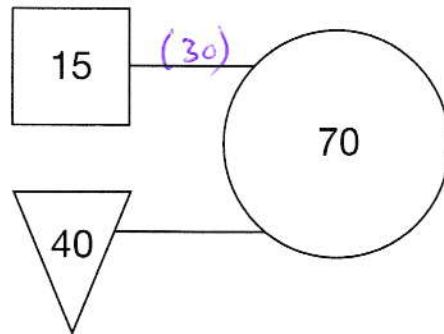
[2 marks]

Write in the missing numbers.

$$3 \quad \times \quad 4 \quad \times \quad \boxed{8} \quad = \quad 96$$
12

$$\boxed{80} \quad + \quad 62 \quad - \quad 46 \quad = \quad 96$$
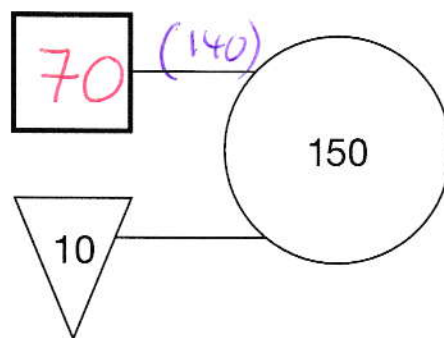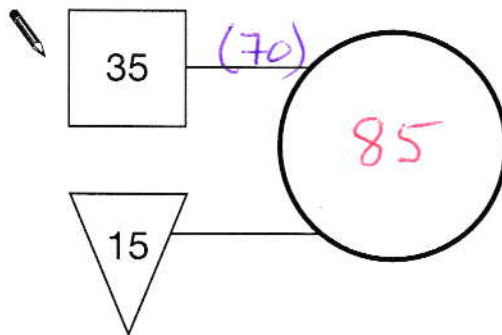+ 16

[2 marks]

In this diagram the rule is

'double the number in the square and add the number in the triangle to make the number in the circle'.

15 | (30)

70

40

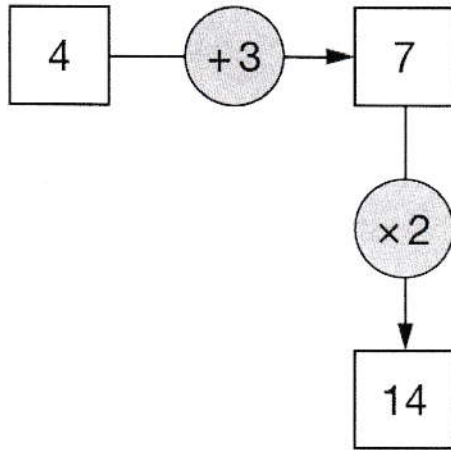Use the same rule to write in the missing numbers below.
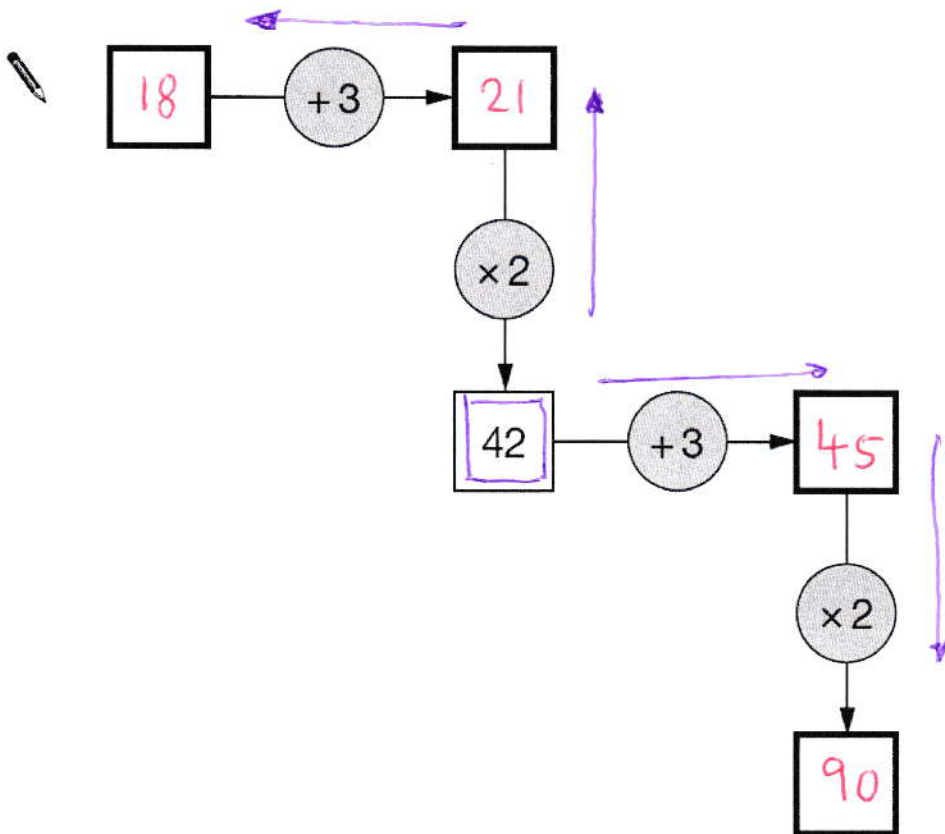
35 | (70)

85

15

70 | (140)

150

10

[2 marks]

Here is a number machine.

4 — +3 → 7

7 — ×2 → 14

Here is another number machine.

Write the four missing numbers.

18 — +3 → 21

21 — ×2 → 42

42 — +3 → 45

45 — ×2 → 90

[2 marks]

Use **each** number card **once** to make the answer to each calculation an **even** number.

| 3 | 4 | 5 |

✓

5 × | 4 | [IST]

12 ÷ | 3 |

9 + | 5 |
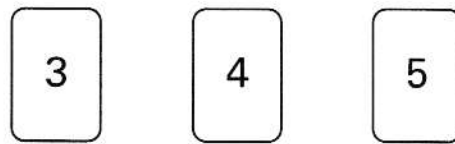
[1 mark]

The signs are missing from these number sentences.

Write in the missing signs, **+ − × or ÷**

The first has been done for you.

6 (×) 5 = 40 (−) 10

20 (+) 8 = 4 (×) 7

21 (÷) 3 = 15 (−) 8

[2 marks]

17

[2006]

Draw one line from **each calculation** on the left to the correct box on the right.

One has been done for you.

11×11

121

$4 \times 5 \times 6$

120

greater than 100

$56 + 27 + 17$

100

$835 - 745$

90

less than 100

equal to 100

$4000 \div 50$

80

[2 marks]

18

[2011]

Write one number from each circle to make this calculation correct.

3   4   5

6   7   8

30   40   50

$\boxed{5} \times \boxed{6} - \boxed{30} = 0$

[or 5 × 8 − 40]

[1 mark]

19

[2012]

Here are five calculations.

For each, put a tick (✓) in the box if the answer is **greater than 450**
Put a cross (✗) if it is not.

One has been done for you.

greater than
450

46×10 ✓

$149 + 137 + 158$ ✗
[444]

$911 - 447$ ✓
[464]

$863 \div 2$ ✗

$16 \times 28\frac{1}{2}$ ✓
[456]

Handwritten: 900 ÷ 2 = 450 So 863 ÷ 2 MUST BE LESS!

Handwritten:
28
16
168
280
448

½ OF 16 = 8

448 + 8 = 456

[2 marks]

20

[2005]

Each missing digit in these calculations is **2, 5** or **7**

Write in the missing digits.

You may use each digit more than once.

$\boxed{7} + \boxed{1 \; 8} = \boxed{2 \; 5}$

$\boxed{2 \; 5} \times \boxed{3} = \boxed{7 \; 5}$

[2 marks]

21

[2014]

Write the missing numbers to make these calculations correct.

$200 \times \boxed{2} - 200 = 200$

$(100 - \boxed{99}) \times 100 = 100$

[2 marks]

22

[2005]

Write the correct sign **>**, **<** or **=** in each of the following.

$(10 + 5) - 9$ $\boxed{<}$ $(10 + 9) - 5$

15 - 9   19 - 5

[6]   [14]

$3 \times (4 + 5)$ $\boxed{>}$ $(3 \times 4) + 5$

3 × 9   12 + 5

[27]   [17]

$(10 \times 4) \div 2$ $\boxed{=}$ $10 \times (4 \div 2)$

40 ÷ 2   10 × 2

[20]   [20]

[2 marks]

23

[2001]

Write in what the missing numbers could be.

$(\boxed{10} \div \boxed{1}) + 90 = 100$

[ANY TWO NUMBERS
WHICH DIVIDE TO GIVE 10]

[1 mark]

24

[2014]
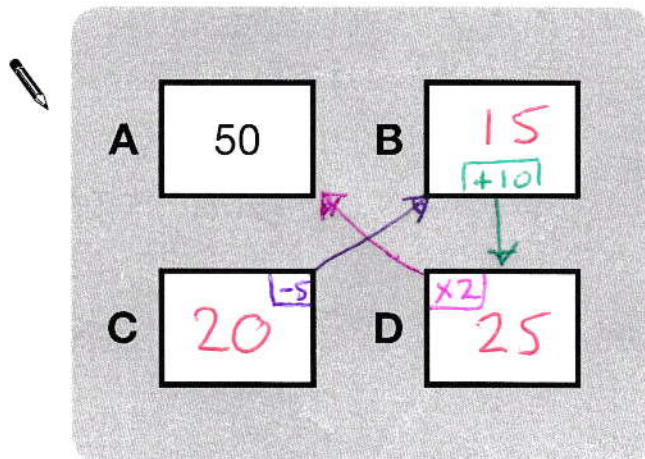
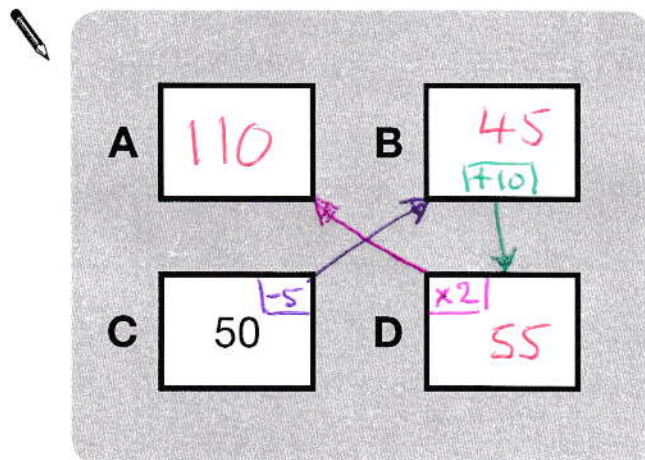The number in **A** is **twice** the number in **D**.

The number in **B** is **5 less** than the number in **C**.

The number in **D** is **10 more** than the number in **B**.

Write the missing numbers in this diagram.

A	50	**B**	15
			[+10]
C	20 [-5]	**D**	[×2] 25

Now use the same rule for this diagram.

A	110	**B**	45
			[+10]
C	50 [-5]	**D**	[×2] 55

[2 marks]