

Number 2 Questions – Non-Calculator

- 1) Write the number seventy-five thousand, two hundred and eight in figures.

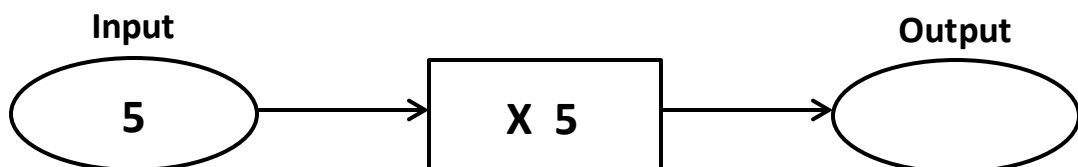
- 2) Write the number 3180 in words.

- 3) Write down the value of the figure 5 in the number 12954.

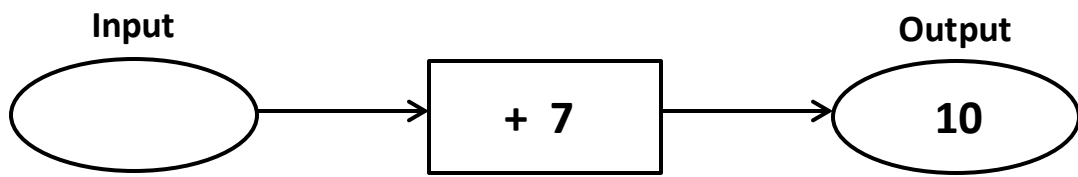
- 4) Write the number 2459 to the nearest ten.

- 5) Below is a number machine.
Work out the output.

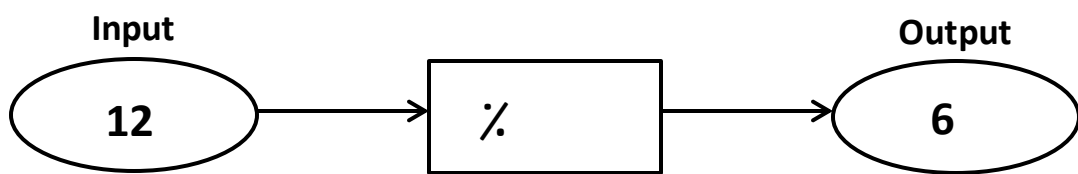
i)



ii)



6) Complete the number machine below



7) i) Estimate the answer to $246 \div 52$

ii) Estimate the answer to 18×62

8) The first four terms of a sequence are 3, 8, 13, 18,

i) Write down the next 3 terms

ii) Find the 10th term

iii) Describe how to get the next term

9) A cinema is offering a family discount.

The Taylor family go to the cinema.

Before the discount the cinema tickets cost £20.

After the discount the cost is £15.

Calculate the percentage discount.

10) There are 28 children in a class.

Each child has to choose a sport to do out of football, swimming and basketball.

12 children chose football, 9 chose swimming and the rest chose basketball.

What fraction of the class chose basketball.



MATHS HOMEWORK = HELP

Answers

1) Write the number seventy-five thousand, two hundred and eight in figures.

75,208

2) Write the number 3180 in words.

Three thousand, one hundred and eighty

3) Write down the value of the figure 5 in the number 12954.

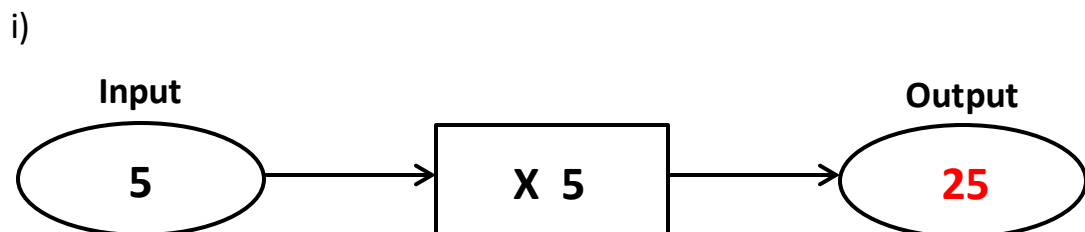
50

4) Write the number 2459 to the nearest ten.

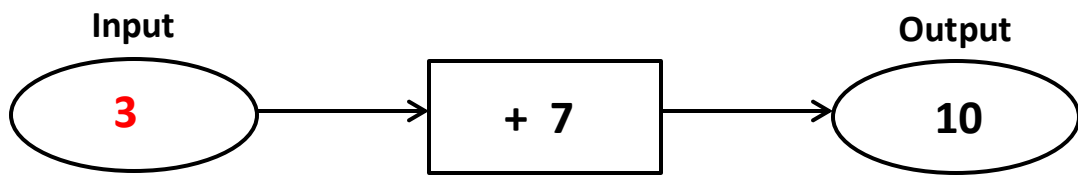
2460

5) Below is a number machine.

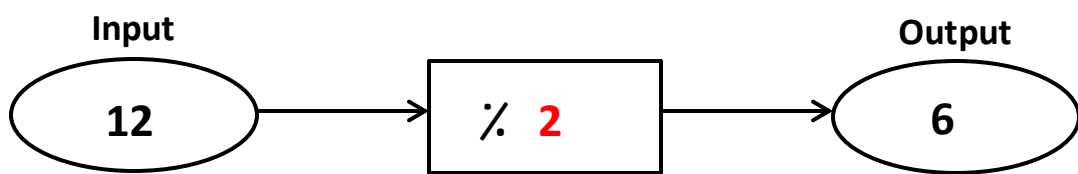
Work out the output.



ii)



6) Complete the number machine below



7) i) Estimate the answer to $246 \div 52$

$$250 \div 50 = 5$$

ii) Estimate the answer to 18×62

$$20 \times 60 = 1200$$

8) The first four terms of a sequence are 3, 8, 13, 18,

iv) Write down the next 3 terms

$$23, 28, 33$$

v) Find the 10th term

$$48$$

vi) Describe how to get the next term

Add 5

9) A cinema is offering a family discount.

The Taylor family go to the cinema.

Before the discount the cinema tickets cost £20.

After the discount the cost is £15.

Calculate the percentage discount.

$$\frac{\pounds 20 - \pounds 15}{\pounds 20} \times 100 = \frac{\pounds 5}{\pounds 20} \times 100 = 25\%$$

10) There are 28 children in a class.

Each child has to choose a sport to do out of football, swimming and basketball.

12 children chose football, 9 chose swimming and the rest chose basketball.

What fraction of the class chose basketball.

$$12 + 9 = 21$$

$$28 - 21 = 7$$

$$\frac{7}{28} = \frac{1}{4} \text{ chose basketball}$$



Tips and Techniques

1. Read each question slowly. You may find it helpful to underline the numbers and important information that will affect your answer.

For example: Find 23 more than 57?

2. If you do not understand the question straightaway, try reading it through a couple of times until it makes sense.

3. Make sure you read the question carefully. Often, the words highlighted in bold in the question will be the part you need to pay the most attention to, e.g. *Which country had the **greatest increase** in visitors from 2005 to 2006?*

4. Even if you know the answer to the question without working it out on paper, it is important to always show your working out in the box provided. You will lose marks if you do not do this.

5. Always use a ruler when drawing shapes, symmetry or graphs.

6. Topics that are useful to revise;

* **Time** - 24 hour clock, adding a length of time e.g. 45 minutes to a certain time. An example of a question where time is used is - "*The time is one thirty in the afternoon. Write this as it would be shown on a twenty-four hour clock?*"

* **Money** - find the total amount of shopping items, how much change will you get from a £5, £10 note etc.

* **Number calculations** - times tables, addition, subtraction, multiplication and division methods.

* **Measurement** - how many metres in a kilometre, millilitres in a litre and grams in a kilogram?

* **Percentages and fractions** - $1/2=0.5$ or 50%, $1/4=0.25$ or 25%, $3/4=0.75$ or 75%, $1/3=0.33$ or 33%, $1/5=0.2$ or 20%

7. Check to see how many marks the question is worth. If it is worth more than one mark, make sure you show your working out.

8. Use everyday objects to help your child practice certain topics. For example; a shopping receipt can be good revision for money questions - adding totals and finding change. Other useful objects that you could use are;

* **Television Guide** - Practice the time a programme starts, what time will it finish? how long does the programme last?

* **Weather Chart** - Change in temperature - e.g. *The temperature fell from 3 degrees celsius to -4 degrees celsius. By how many degrees did the temperature fall?*

* **Measure yourself and other family members to practice height** (in cm, metres), weight (in grams, kilograms), area of hands and feet. You could also calculate the average family height, weight etc.