Mental Maths 10

Calculate the answers to the following mental maths questions as quickly as you can! :-

1) What is the name of a triangle where all 3 sides and angles are the same?

2) Round the number 4828 to the nearest 1000.

3) How many minutes are there in 1¼ hours?

4) Find the range of the following numbers 21   12   18   9   13

5) What are the factors of 18?

6) What is the largest number you can make out of the numbers 8, 3, and 4?

7) Find 22% of 100.

8) What is 5340 divided by 100?

9) 5 X _____ = 45

10) What number is exactly half-way between 95 and 105?

11) What year would it be 22 years before 1965?

12) Look at the time shown on the 24-hour digital clock. What would this time be on a 12-hour clock?

$$18:25$$

13) Louise visits her parents' house, 300km away. If she has already travelled half the distance, how much further does she need to travel?

14) Which fraction is the smallest ⅖ or ⅔?

15) I think of a number, subtract 10, and then multiply it by 4. The answer is 28. What is my number?

Answers

Calculate the answers to the following mental maths questions as quickly as you can! :-

1) What is the name of a triangle where all 3 sides and angles are the same? Equilateral Triangle

2) Round the number 4828 to the nearest 1000. 5000

3) How many minutes are there in 1¼ hours? 75 minutes

4) Find the range of the following numbers 21   12   18   9   13   12

5) What are the factors of 18? 1, 2, 3, 6, 9, 18

6) What is the largest number you can make out of the numbers 8, 3, and 4? 843

7) Find 22% of 100. 22

8) What is 5340 divided by 100? 53.4

9) 5 X _____ = 45   9

10) What number is exactly half-way between 95 and 105? 100

11) What year would it be 22 years before 1965? 1943

12) Look at the time shown on the 24-hour digital clock. What would this time be on a 12-hour clock? 6.25pm

18:25

13) Louise visits her parents' house, 300km away. If she has already travelled half the distance, how much further does she need to travel? 150km

14) Which fraction is the smallest ⅖ or ⅔? ⅖

15) I think of a number, subtract 10, and then multiply it by 4. The answer is 28. What is my number? 17

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.