

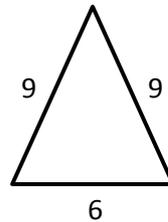


MATHS HOMEWORK = HELP

Mental Maths 5

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

- 1) How many metres are there in $3\frac{1}{2}$ km?
- 2) Find the next 3 terms in the sequence 2, 11, 20, 29, _____, _____, _____
- 3) How many edges are there on a cuboid?
- 4) Round the number 151 to the nearest ten.
- 5) Find the range of the following numbers - 15 25 21 9 13
- 6) What is 4 multiplied by 12?
- 7) Name the 2D shape which has 2 pairs of parallel lines?
- 8) What is $\frac{7}{10}$ as a decimal?
- 9) What is the value of the number 4, in the number 4580?
- 10) What is the perimeter of the triangle?



- 11) What is $1\frac{3}{4} + 1\frac{1}{4}$?
- 12) What is $\frac{1}{6}$ of 360?
- 13) A container can hold up to 1 litre of water. If it already has 400ml of water in it, how much more water do I need to fill the container?
- 14) I have 24 rabbits. I want to put them in hutches, with 4 rabbits in each hutch. How many hutches will I need?
- 15) Look at the time shown on the digital clock. What would be the time half an hour later?

07:45

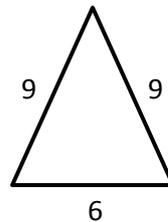


MATHS HOMEWORK = HELP

Answers

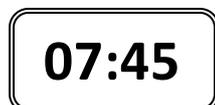
Calculate the answers to the following mental maths questions as quickly as you can! :-

- 1) How many metres are there in $3\frac{1}{2}$ km? **3500m**
- 2) Find the next 3 terms in the sequence 2, 11, 20, 29, 38 , 47 , 56
- 3) How many edges are there on a cuboid? **12**
- 4) Round the number 151 to the nearest ten. **150**
- 5) Find the range of the following numbers - 15 25 21 9 13 **16**
- 6) What is 4 multiplied by 12? **48**
- 7) Name the 2D shape which has 2 pairs of parallel lines? **Parallelogram**
- 8) What is $\frac{7}{10}$ as a decimal? **0.7**
- 9) What is the value of the number 4, in the number 4580? **4000**
- 10) What is the perimeter of the triangle? **24**



- 11) What is $1\frac{3}{4} + 1\frac{1}{4}$? **3**
- 12) What is $\frac{1}{6}$ of 360? **60**
- 13) A container can hold up to 1 litre of water. If it already has 400ml of water in it, how much more water do I need to fill the container? **600ml**
- 14) I have 24 rabbits. I want to put them in hutches, with 4 rabbits in each hutch. How many hutches will I need? **6 hutches**
- 15) Look at the time shown on the digital clock. What would be the time half an hour later?

08:15





MATHS HOMEWORK = HELP

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.