



## ALL IN ONE PLACE BASE CAMP GENERAL REVISION ACTIVITY 2

### INSTRUCTIONS

- There is no time limit for the activity – work at your own pace
- Ask a family member or friend for help if you need it
- Show all working except in **MULTIPLE CHOICE** questions
- You cannot use a calculator unless instructed

## WHY GENERAL REVISION?

The General Revision Worksheets are designed to test your knowledge and understanding of all the concepts you need to know for Key Stage 2 and 11+. The questions in the activity will help to prepare you for your exams.

There are three types of questions you need to work through.

### MULTIPLE CHOICE

There are 10 multiple choice questions in the activity. Each question should about 10 seconds. Circle or underline the letter that answers each question.

### SHORT ANSWER QUESTIONS

There are 15 short answer questions in the activity. You should be able to answer each question about 20 seconds. Remember to show all your working.

### LONGER ANSWER QUESTIONS

There are 10 longer answer questions in each activity. Longer answer questions involve a number of steps in order to find the solution. These questions may take 30 seconds or more to complete, depending on the question type. Remember to show your working and check your answers.

## MULTIPLE CHOICE



### JUMP 1

You have two numbers, 12 and 4. Which operation will give the smallest answer?

- A. addition
- B. subtraction
- C. multiplication
- D. division



### JUMP 2

Which statement is true about the numbers 12 and 4?

- A. They are both factors of 12.
- B. They are both multiples of 12.
- C. They are both square numbers.
- D. The product of the numbers is 16.

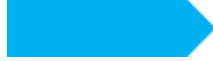


### JUMP 3

A mother is going to give birth to twins. What is the probability that the twins will be two girls?

- A. 0.33
- B. 0.50
- C. 0.66
- D. 1.00





**JUMP 4**

Which single machine would do the same job as these two machines?



A machine that

- A. multiplies by 2
- B. multiplies by 4
- C. divides by 2
- D. divides by 4



**JUMP 8**

Which does **not** describe the number 9?

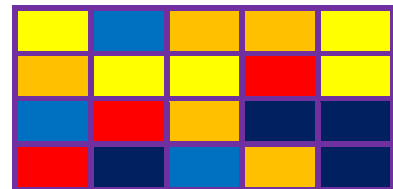
- A. It is an odd number.
- B. It is a square number.
- C. It can only be the sum of two prime numbers.
- D. It can be the product of two prime numbers.



**JUMP 10**

Look at the rectangle on the right.

What fraction, in the simplest form, is yellow?



- A. 1/5
- B. 5/20
- C. 1/4
- D. 4/20



## SHORT ANSWER QUESTIONS



### JUMP 1

Complete the table about the number 301050 by writing **TRUE** or **FALSE** next to each statement.

Statement	TRUE or FALSE
The number is a multiple of 10.	
2 and 5 are factors of the number.	
Three of the digits in the number are prime.	
The number is divisible by 3.	
The product of all the digits in the number is 15.	



### JUMP 2

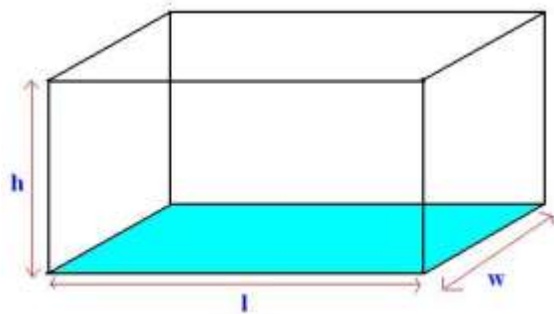
A cuboid has a base of  $28 \text{ cm}^2$  and height of 4 cm.

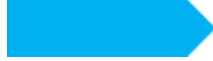
a. Calculate the volume of the cuboid.

**ANSWER** \_\_\_\_\_

b. The height and the base are equal in size. What is the length of the cuboid?

**ANSWER** \_\_\_\_\_





**JUMP 4**

The bar graph shows the results of a survey on the types of music liked by a group of students.

a. How many students like hip hop?

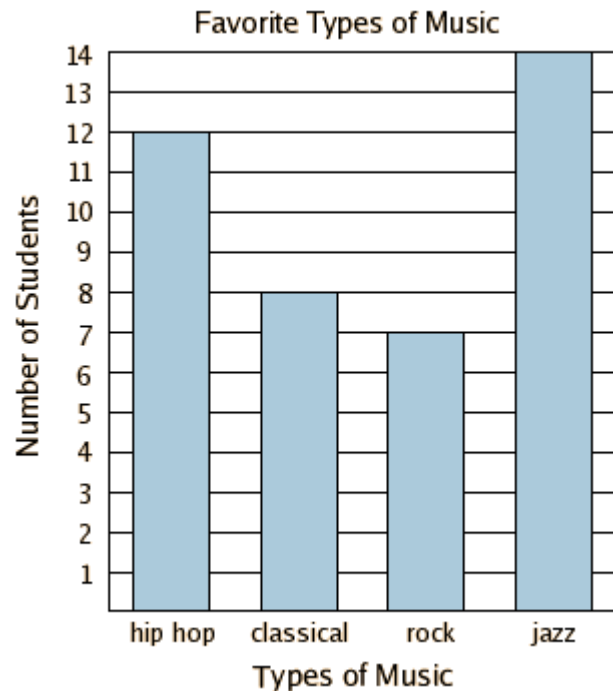
**ANSWER** \_\_\_\_\_

b. How many students took part in the survey?

**ANSWER** \_\_\_\_\_

c. What fraction of the students like rock music?

**ANSWER** \_\_\_\_\_



**JUMP 6**

Complete the statement by writing in the missing words. Use some of the word in the box.

**2 is a \_\_\_\_\_ number that is \_\_\_\_\_ not odd.**

**It is a \_\_\_\_\_ of 18 and has 1 as a \_\_\_\_\_.**

**small      prime      multiple      factor      odd      even**



## JUMP 8

Ricky gets £10 pocket money every month. He saves a quarter of the money.

a. How much does Ricky save each month?

**ANSWER** \_\_\_\_\_

b. Express your answer from the previous question as a percentage.

**ANSWER** \_\_\_\_\_

c. Express your answer from the previous question as a decimal.

**ANSWER** \_\_\_\_\_

d. Ricky is saving up to buy a new pair of jeans costing £20. How long will he have to save for? Express your answer in years and months.

**ANSWER** \_\_\_\_\_



## JUMP 9

a. What is the order of rotational symmetry of the orange?

**ANSWER** \_\_\_\_\_

b. Draw all the lines of symmetry on the orange.





**JUMP 12**

This grid shows part of a sequence of numbers.

Study the grid to find what the pattern is for the number sequence.

Complete the grid below to the numbers that would come before this grid. One number has been filled in to help you.

4			1
	1	3	
	4	1	
1			3

			5

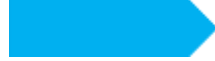


**JUMP 14**

1 megabyte (MB) equals 1 000 kilobytes (kB) of data. 1 gigabyte (GB) of computer data equals 1 000 megabytes.

a. How many kilobytes make up 1 gigabyte?

**ANSWER** \_\_\_\_\_



b. What fraction of a gigabyte is a megabyte? Express your answer as a decimal.

ANSWER \_\_\_\_\_

c. How many bytes do you think make up 1 kilobyte?

ANSWER \_\_\_\_\_

## LONGER ANSWER QUESTIONS



### JUMP 1

Complete the calculations using BIDMAS.



$$4 - 9 \times 9 \div 3$$

ANSWER \_\_\_\_\_

$$(3 - 5) - (3 + 2)^2$$

ANSWER \_\_\_\_\_



### JUMP 3

You are given this information about three variables used in an algebraic expression.

$$a = 2b = 0.4c$$





If  $a = 10$  what is the value of

$$a - b + 2c$$

**ANSWER** \_\_\_\_\_



**JUMP 4**

The table shows the increase price of a dozen eggs at the local supermarket from 2009 to 2015.

Year	Price Increase (£)	Actual Price (£)
2009	0.00	0.90
2010	0.10	
2011	0.15	
2012	0.15	
2013	0.10	
2014	0.20	
2015	0.10	

a. Complete the table by calculating the actual price of a dozen eggs for the years 2010 to 2015.

b. What is the range of the Actual Price of a dozen eggs?

**ANSWER** \_\_\_\_\_

c. What was the mean price for a dozen eggs from 2010 to 2015?

**ANSWER** \_\_\_\_\_

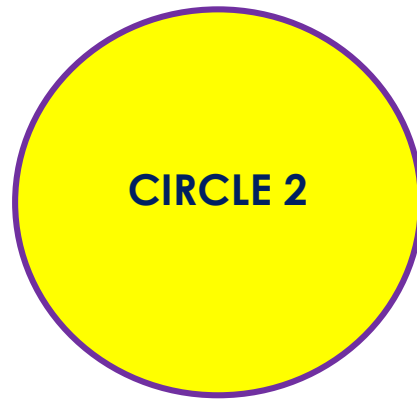
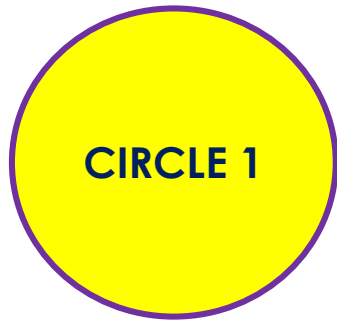
d. What is the mode for the Price Increase?

**ANSWER** \_\_\_\_\_



**JUMP 6**

Four friends make statements about the two circles.



**JACK:** *'The circumference of CIRCLE 2 is greater than the circumference of CIRCLE 1.'*

**JOSH:** *'The radius of CIRCLE 1 is about 4 cm.'*

**CAROL:** *'The diameter of CIRCLE 2 is less than 6 cm.'*

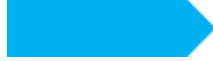
**MARTY:** *'The area of CIRCLE 2 is double the area of CIRCLE 1.'*

a. Jack's statement is correct. Explain why and include the word **'circumference'** in your answer.

<p><b>ANSWER</b></p> <hr/> <hr/> <hr/>
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b. Josh is wrong. Measure the correct radius of **CIRCLE 1**.

**ANSWER** \_\_\_\_\_



c. Is Carol's statement accurate? Explain your answer by measuring the circumference of **CIRCLE 2**.

**ANSWER**

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d. Cut the circles out and decide if Marty's statement is correct or not.

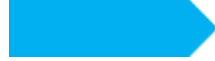
**ANSWER** \_\_\_\_\_



**JUMP 8**

The table shows the approximate areas of the United Kingdom, Sweden and France.

United Kingdom	Sweden	France
		
250 000 km <sup>2</sup>	450 000 km <sup>2</sup>	650 000 km <sup>2</sup>



a. What fraction of Sweden would the UK occupy? Express your answer in the simplest form.

**ANSWER** \_\_\_\_\_

b. What is the ratio of the area of the three countries in the simplest form?

**ANSWER** \_\_\_\_\_

c. For the area of the UK to fit exactly three times into France, by what percentage would the area of France need to increase? You can use a calculator for this question and express your answer as a whole number.

**ANSWER** \_\_\_\_\_



**JUMP 10**

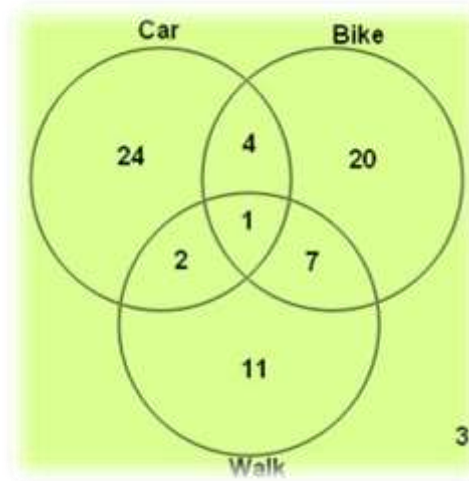
The Venn diagram shows the mode of transportation for Year 5 students to and from school.

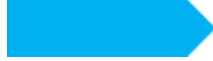
a. How many students were surveyed?

**ANSWER** \_\_\_\_\_

b. How many students use all three transport modes?

**ANSWER** \_\_\_\_\_

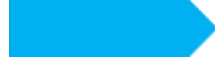




## EASY NOW!

Once you have checked your answers, complete the table by ticking what you found '**Easy**' and which Maths topics '**Need Practice**'

Topic	Easy	Need practice
Maths	😊	
Fractions, decimals, percentage		
Handling data		
Venn diagrams		
Using BIDMAS		
Calculating area and volume		
Factor and multiples		
Probability		
Word problems		
Rounding numbers		
Estimation		
Ratio and proportion		
Shapes and angles		
Time		
Conversions		
Using scale diagrams		



Cut and paste the **CHECK POINT** into your workbook.



**CHECK POINT**  
**MATHS GENERAL REVISION ACTIVITY 2**  
How much have you improved applying your Maths knowledge and skills?

Write a number from 1 to 10 – 10 is the biggest jump.

I've jumped \_\_\_\_\_

What can you do to jump more? Write two ideas.

1. I can \_\_\_\_\_

2. I can \_\_\_\_\_