

# 11+

## Maths



- CHALLENGING 11+ EXAM STYLE QUESTIONS
- VARYING COMPLEXITY
- BROAD 11+ TOPIC RANGE
- TIMED CONDITIONS
- ANSWERS INCLUDED
- A GREAT INSIGHT INTO WHAT IS EXPECTED FROM THE 11+ EXAM

# Maths

## 11+ Practice Paper 1

**Age 9-11**



## 11+ Maths Practice Paper 1

This 11+ practice paper is FREE to download and has been specifically designed to give your child an insight into the type of questions they can expect to see in their 11+ exam.

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## Paper Instructions

- This paper will test your child on elements of Maths **ONLY**.
- The paper contains a mixture of the different levels of difficulty of the KSOL online questions, so do not worry if your child cannot answer some of the harder questions.
- Please note this paper contains questions and answers only.
- For step by step explanations on how to approach 11+ questions, try our courses:  
[www.ksol.co.uk/contents/11plus-preparation](http://www.ksol.co.uk/contents/11plus-preparation).
- Please allow your child **10 minutes** to complete this paper.

**cm<sup>2</sup>**  
**3/4**  
**x**  
**%**  
**1/2**  
**—**

## Child Instructions

- Please complete this exam paper using pencil only.
- Mark all of your answers on the separate answer sheet provided.
- Please note calculators are not permitted.
- If you cannot answer a question, do not panic, simply move on and return to it later.
- Rub out any errors on your answer sheet. Do not cross them out.
- **Ask an adult to time you for 10 minutes.**

## Child Details

First name: \_\_\_\_\_

Surname: \_\_\_\_\_

D.O.B: \_\_\_\_\_

Date: \_\_\_\_\_

## Marking Criteria

Total \_\_\_\_\_

Out of 12

Percentage \_\_\_\_\_ %

# 11+ Maths

You have 10 minutes to complete this paper.

- 1) Work out the following percentage:

14% of 1200

A	B	C	D
120	180	168	100

- 2) Complete the following sequence by selecting the **TWO** correct answers below:

-27, -19, -11, -3, 5, \_\_\_\_\_, \_\_\_\_\_.

A	B	C	D	E	F
19	13	11	21	27	25

- 3) If I buy 3 chocolate bars for £3.45, how much will it cost to buy 7 chocolate bars?

A	B	C	D
£8.05	£1.15	£8.15	£8.45



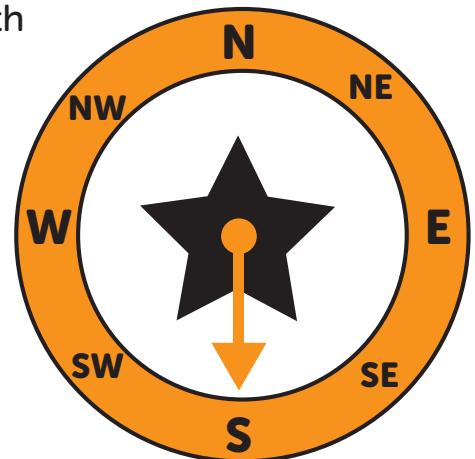
- 4) Look at the compass and answer the following question:

Which of the options below will take you to North East (NE) if you start South (S)?

A	B	C
Clockwise 180°	Anticlockwise 90°	Anticlockwise 135°

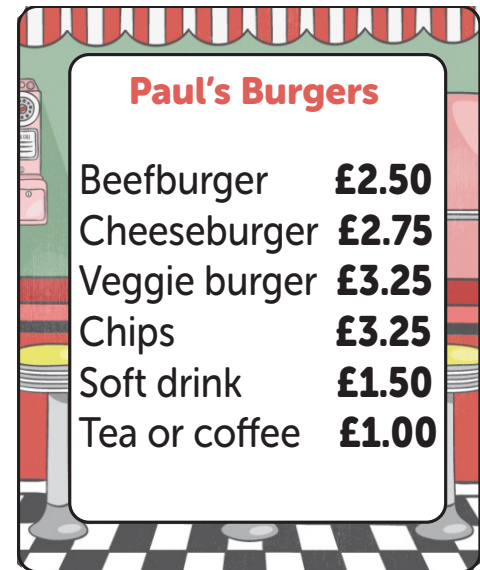
  

D
Clockwise 135°



- 5) Paul is offering a 20% discount if you come and collect your order. How much money would you save if you collected 3 beefburgers compared to having them delivered?

A	B	C	D
£1.50	£9.00	£6.00	£7.50



- 6) If  $x = 8$  and  $y = 3$ , substitute the number given for the letter in the following expression, and then solve the expression below.

$$2x + 3y - 7$$

A	B	C	D
4	32	18	0

- 7) Joaquim is making a plan of his garden. His scale is 1cm:5m. The garden is 35m long. How long should he draw his garden on the plan?

A	B	C	D
7cm	175cm	7m	6cm

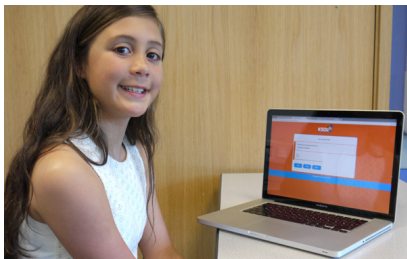


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- 8) Take the square root of 144 and subtract it from the square of 7.  
What is your answer?

A	B	C	D
5	37	99	61

- 9) A woman buys some trousers which cost £12, two pairs of the same shoes and some sunglasses. Altogether, these items cost £56. She then decides to return the sunglasses as she doesn't like them. She is refunded £10.

How much did one pair of shoes cost?

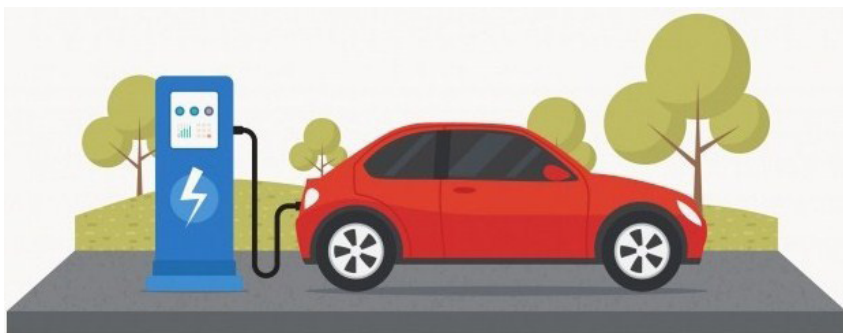
A	B	C	D
£34	£23	£28	£17



10) Find the highest common factor (HCF) of 42 and 90.

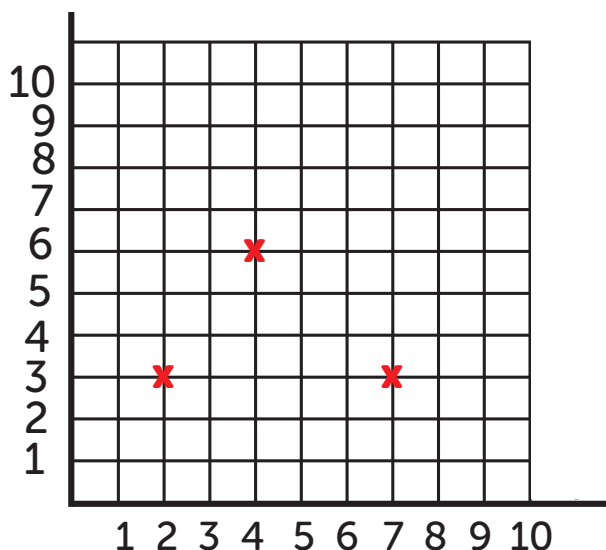
A	B	C	D
2	3	6	9

11) In 2016, a survey found 200 electric cars in a particular city. In 2019 this had increased to 900. What is the proportion of electric cars in the city in 2016 compared to 2019, expressed as a fraction in its simplest form?



A	B
$\frac{2}{9}$	$\frac{9}{2}$
C	D
$\frac{900}{200}$	$\frac{200}{900}$

12) The shape below is a parallelogram but is missing one point. What are the co-ordinates of the final point?



A	B
(9,6)	(6,9)
C	D
(8,6)	(10,6)

**END OF PRACTICE PAPER &  
WELL DONE!**

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**MARK** boxes clearly like this , with at least  $\frac{2}{3}$  of the box shaded and **RUB OUT** any errors thoroughly.

Record all of your answers on this answer sheet.

Example  A  B  C  D

1.  A  B  C  D

2.  A  B  C  D  E  F

3.  A  B  C  D

4.  A  B  C  D

5.  A  B  C  D

6.  A  B  C  D

7.  A  B  C  D

8.  A  B  C  D

9.  A  B  C  D

10.  A  B  C  D

11.  A  B  C  D

12.  A  B  C  D

1. C) 168
2. B) 13, D) 21
3. A) £8.05
4. C) Anticlockwise  $135^\circ$
5. A) £1.50
6. C) 18
7. A) 7cm
8. B) 37
9. D) £17
10. C) 6
11. A)  $\frac{2}{9}$
12. A) (9,6)