

# 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 2

**Age 9-11**



## 11+ Maths Practice Paper 2

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.

Published by Key Stages Online Ltd, a company in England and Wales, having a registered company number of 05258999

KSOL is a registered trademark of Key Stages Online Ltd.

First published 2019

Copyright © Key Stages Online Ltd

### Copyright Notice

All rights reserved. No part of this publication may be reproduced in any form or by any means (including photocopying, storing electronically by any means including transient or permanent) without the written permission of the copyright holder Key Stages Online Ltd.

### Disclaimer

This material is published by Key Stages Online Ltd, and is an excellent support aid for children who will be sitting an entrance exam. This material does not guarantee a qualification or a pass for any exam. The material should be used as a support aid only. No liability. Errors and omissions excepted.

## 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 13

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

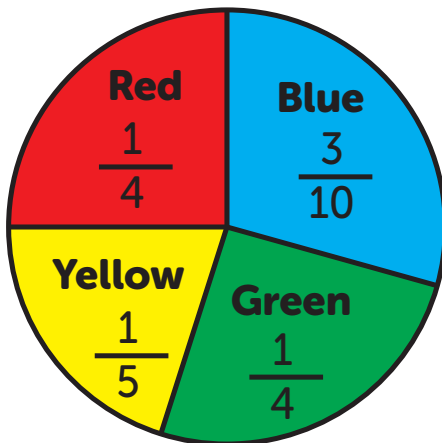
You have 10 minutes to complete this paper.

- 1) For her birthday, Fatima gets £25 in book vouchers, two CD's (£12.99 each), a sweater worth £25.95 and a new doll which cost £17.49. How much did all of her presents cost?

A	B	C	D
£81.43	£94.42	£76.93	£63.64



- 2) The pie-chart below shows the favourite colour of 120 children. How many more children liked blue compared with yellow?



A	B	C	D
36	12	24	60

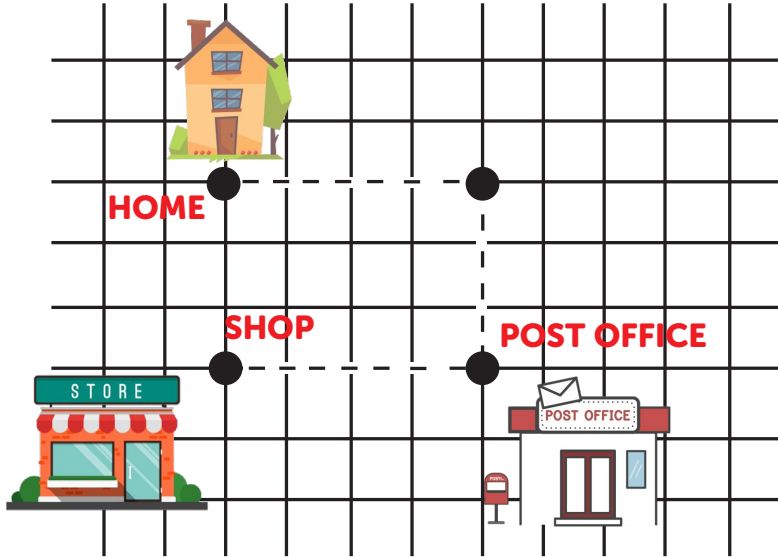
- 3) What is the answer when you add  $\frac{2}{3}$  and  $\frac{4}{5}$  ?

A	B	C	D
$\frac{6}{8}$	$\frac{8}{15}$	$\frac{10}{12}$	$\frac{22}{15}$

- 4) A square of side length 6cm is cut into four pieces of exactly the same size. These smaller pieces are then cut into three pieces of exactly the same size. What is the area of a little piece?

A	B	C	D
3cm <sup>2</sup>	9cm <sup>2</sup>	12cm	6cm <sup>2</sup>

5)

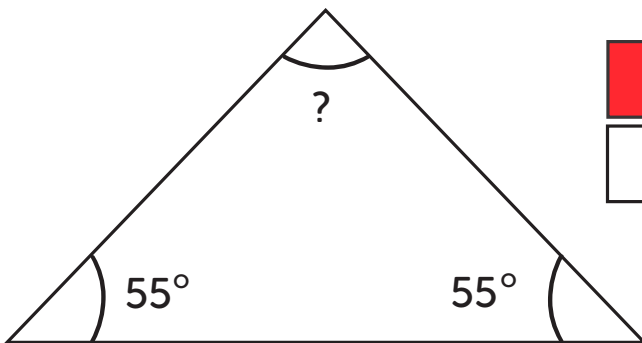


<b>A</b>	<b>B</b>
2km	2.5km
<b>C</b>	<b>D</b>
5km	0.5km

The map above shows my house and a few local places. Each square is 1cm x 1cm and the scale is 1cm:500m.

A new supermarket is built 1km north of the Post Office. How far away from my house is this new supermarket?

6) Jonty puts up a tent as shown in the picture below. Find the missing angle.



<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
161°	55°	70°	36°

7) A cube has a volume of  $27\text{cm}^3$ . What is the perimeter of the cube?

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
9cm	3cm	18cm	36cm

# 11+ Maths

Visit [www.ksol.co.uk](http://www.ksol.co.uk) for more 11+ resources

## 11+ Tuition

For children in Year 4 & 5  
Over 16 years of experience



### Is your child ready for the 11+ exam?



Award-Winning  
11+ Online Courses

- ✓ Personalised daily tests (Mon-Fri)
- ✓ Earn real prizes for achieving your goals!
- ✓ Covers essential skills in Maths, English, Verbal and NVR
- ✓ Explanations provided for questions instantly
- ✓ Support & guidance from an expert KSOL tutor

Visit [ksol.co.uk](http://ksol.co.uk) for your **FREE** 11+ trial!

Find out why over 98% of parents recommend us!

**CALL US TODAY** on **0121 733 6558**

8) In two days Jake read 286 pages of a book. On the first day he read 36 pages fewer than the second. How many pages did he read on the first day?



A	B	C	D
161	125	250	36

9) Divide  $\frac{4}{9}$  by  $\frac{7}{18}$

A	B	C	D
$\frac{8}{7}$	$\frac{28}{162}$	$\frac{28}{2}$	$\frac{2}{7}$

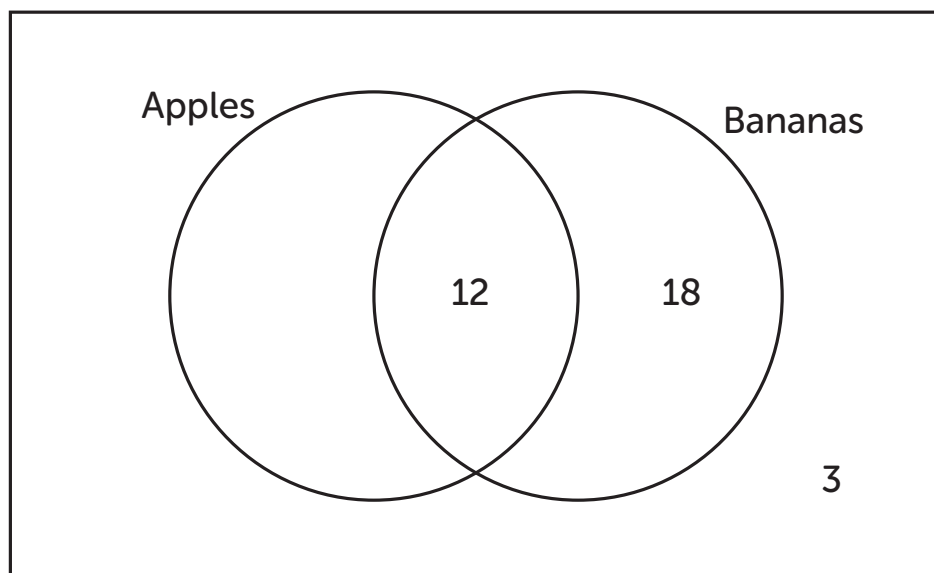
10) A square has a side length of  $a$ . What is the area of the square?

A	B	C	D
$a + a + a + a$	$a \times a \times a \times a$	$a^2$	$4a$

11) Michael has three times more medals than his sister. Together, they have twice as many as Michael's friend, who has 12 medals. How many medals do Michael and his sister have?

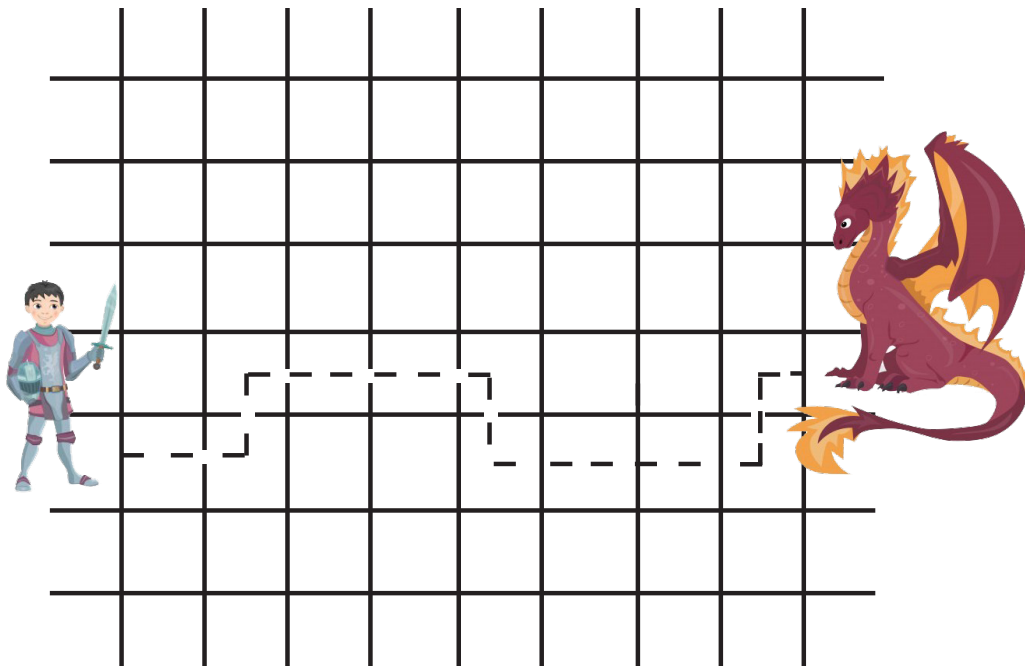
A	B	C	D
3 and 1	15 and 5	18 and 6	14 and 10

12) 55 people were asked which fruits they liked. The results are shown in the Venn diagram below. How many people only liked apples?



A	B	C	D
25	17	Unknown	22

13) A knight is chasing a dragon. He takes the route shown. Which of the following describes his route?



**A**

Forward 3, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 3, Right  $90^\circ$ , Forward 1, Left  $90^\circ$ , Forward 3, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 1

**B**

Forward 2, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 3, Right  $90^\circ$ , Forward 1, Left  $90^\circ$ , Forward 3, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 1

**C**

Forward 2, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 3, Right  $90^\circ$ , Forward 1, Left  $90^\circ$ , Forward 3, Left  $90^\circ$ , Forward 1, Right  $90^\circ$

**D**

Forward 2, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 3, Right  $90^\circ$ , Forward 1, Left  $90^\circ$ , Forward 3, Right  $90^\circ$ , Forward 1, Right  $90^\circ$



END OF PRACTICE  
PAPER &  
WELL DONE!

---

Award-Winning  
11+ Tuition

For children in  
Year 4 & 5



Exclusive access to  
courses, workshops  
and 1-2-1 sessions

Excellent 89%  
success rate!



11+ Mock Exams

11+ Revision Books

**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

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

13.  A  B  C  D

1. B) £94.42

2. B) 12

3. D)  $\frac{22}{15}$

4. A)  $3\text{cm}^2$

5. B) 2.5km

6. C)  $70^\circ$

7. D) 36cm

8. B) 125

9. A)  $\frac{8}{7}$

10. C)  $a^2$

11. C) 18 and 6

12. D) 22

13. B) Forward 2, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 3, Right  $90^\circ$ , Forward 1, Left  $90^\circ$ , Forward 3, Left  $90^\circ$ , Forward 1, Right  $90^\circ$ , Forward 1