

11+

Weekly  
Worksheets

## 11 Plus Exam Preparation



Written by experts

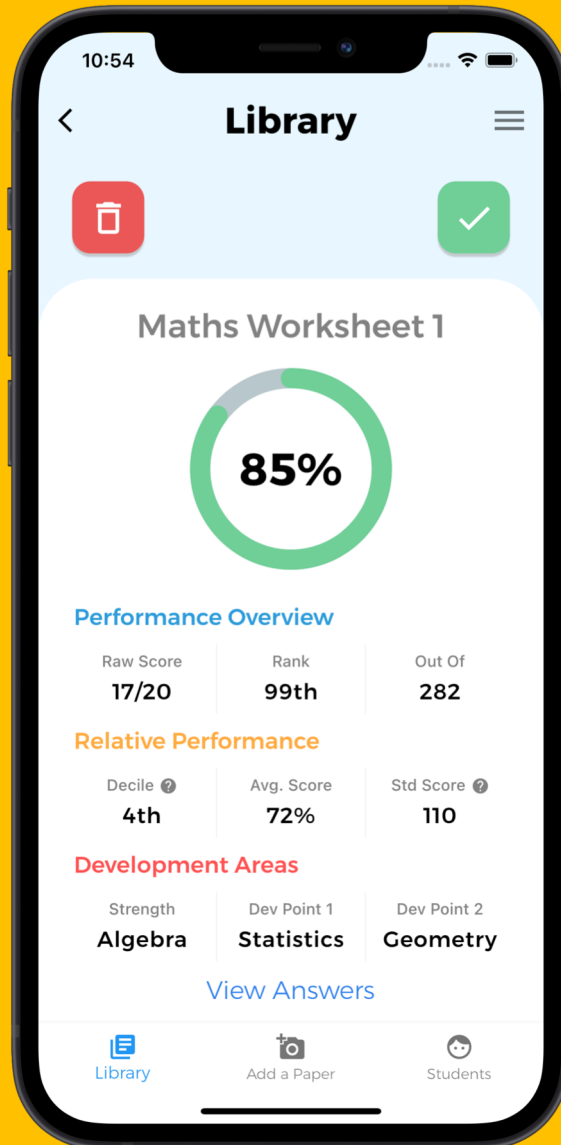


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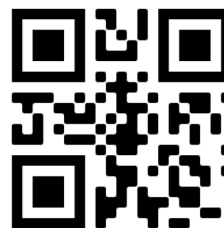


# Answer Sheet

Paper Name: Maths Worksheet 6

Paper ID: WW-MA-06-20Q

Full Name:



**YOU MUST ANSWER ON THIS SHEET. TAKE A PICTURE USING THE EXAM HAPPY APP  
AFTERWARDS TO MARK YOUR WORK.**

**How to answer:**



A



B



C



D



E

**How not to answer:**



A



B



C



D



E

Use the **free Exam Happy app** to **view the average** for this paper and learn from **video solutions**


1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E
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	A	B	C	D	E
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	A	B	C	D	E
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	A	B	C	D	E
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	A	B	C	D	E
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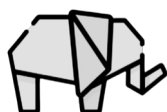
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	A	B	C	D	E
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	A	B	C	D	E
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E

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## Instructions

---

1. You have 30 minutes to complete this test
2. This is a multiple-choice test and each question carries one mark
3. Mark you answers clearly on the answer sheet using a HB pencil
4. Ensure that the rectangle on the answer sheet is fully shaded in like this 
5. If you mark the wrong answer, ensure that you erase it and mark your new answer clearly
6. Any rough workings should be done on a separate sheet of paper
7. Do not turn over page until you are told to do so
8. Use the Exam Happy app to mark your answers and see where you rank amongst peers  
**Download at [www.examhappy.co.uk/app](http://www.examhappy.co.uk/app)**



1

How many sevenths are there in 6?

- A 7                      B 13                      C 42                      D 48                      E 16
- 

2

In a box of chocolates, 25% of chocolates contains nuts. Of these, 20% specifically contain hazelnuts. In total, there are 60 chocolates in the box. How many chocolates contain nuts other than hazelnuts?

- A 12                      B 15                      C 3                      D 45                      E 10
- 

3

A pack of cards contains 54 cards, 3 of which are instruction cards and cannot be used to play. If the remaining playing cards are shared equally amongst 3 people, how many cards would they each receive?

- A 18                      B 17                      C 15                      D 19                      E 20
- 

4

What is the area of a triangle with base of 18 cm and height of 9 cm?

- A 162 cm<sup>2</sup>              B 46 cm<sup>2</sup>              C 92 cm<sup>2</sup>              D 63 cm<sup>2</sup>              E 81 cm<sup>2</sup>
- 

5

Four friends are given 120 counters to share in the ratio of 1:2:3:4. What is the difference in the counters received between person with most counters and the person with the least?

- A 48                      B 24                      C 20                      D 36                      E 38

6

Elsa is attending a football game with her sister. The game begins at 12:30 pm and it takes Elsa 48 minutes to travel to the venue. What time must Elsa leave her house if she wants to arrive quarter of an hour ahead of the game start time?

- A 11:27 am    B 1:18 pm    C 11:42 am    D 11:42 pm    E 11:27 pm

7

In a Maths test, April scored 63%, Ben got 7 in every 10 questions right, Cassie only lost 9 marks in total, Diego got  $\frac{7}{20}$  of the marks correct, and Edinson lost 15% of the total marks. The maximum score for the test was 100 marks. Who scored the second highest mark?

- A April    B Ben    C Cassie    D Diego    E Edinson

8

The school record for the javelin throw is 23.4 m. This year, the farthest throw fell short of the record by 1.7 m. What was the farthest throw this year?

- A 23.4 m    B 21.7 m    C 25.1 m    D 24.1 m    E 20.7 m

9

Luke studies the nutrients in his Christmas dinner. He finds that the dinner has 40 g of protein, 85 g of carbohydrates and 50 g of fat. What fraction of the Christmas dinner is protein?

- A  $\frac{8}{35}$     B  $\frac{10}{35}$     C  $\frac{8}{37}$     D  $\frac{17}{37}$     E  $\frac{17}{35}$

10

Nora thinks of a number and then divides it by 16. The answer is a whole number. Which of following numbers was Nora thinking of?

- A 482    B 432    C 444    D 404    E 452

11

After eating  $\frac{2}{5}$  of the Christmas pudding, 450 g was left. What was the original mass of the Christmas pudding?

- A 600 g      B 1,125 g      C 150 g      D 750 g      E 900 g

12

On a sunny day, water evaporates at a rate of 15 ml per hour. A full mug of water measuring 250 ml is left out in the sun. How long would it roughly take for the mug to reach half capacity?

- A 7 hours      B 8 hours      C 9 hours      D 10 hours      E 11 hours

13

The usage instructions for pain-relief tablets says, *“Take 1-2 tablets every 4 hours after meals. Do not exceed more than 10 tablets in a 24 hour period.”* What is the most tablets that can be taken in any 10-hour period?

- A 10      B 4      C 8      D 5      E 6

14

Hirani attends dance classes every Saturday. How many classes does she attend between Sunday 1st May and 1st July?

- A 7      B 9      C 8      D 10      E 11

15

During a sale, the price of a pair of boots was reduced by 15% to £51. What was the original price of the boots?

- A £9      B £65      C £60      D £14      E £58



16

A number is subtracted from 10, squared, then increased by 3. If doing this results in an answer of 84, then what was the number at the start?

- A 9                      B -1                      C 12                      D -19                      E 1

17

Which of the following is the largest number that would still round to 5.3 cm when rounding to the nearest tenth of a centimetre?

- A 5.340 cm    B 5.390 cm    C 5.344 cm    D 5.349 cm    E 5.350 cm

18

Polly draws a regular pentagon in her exercise book. What is the exterior angle of this shape?

- A 72°                      B 108°                      C 120°                      D 60°                      E 90°

19

Which of the following numbers is both a factor of 72 and is a cube number?

- A 27                      B 8                      C 9                      D 24                      E 36

20

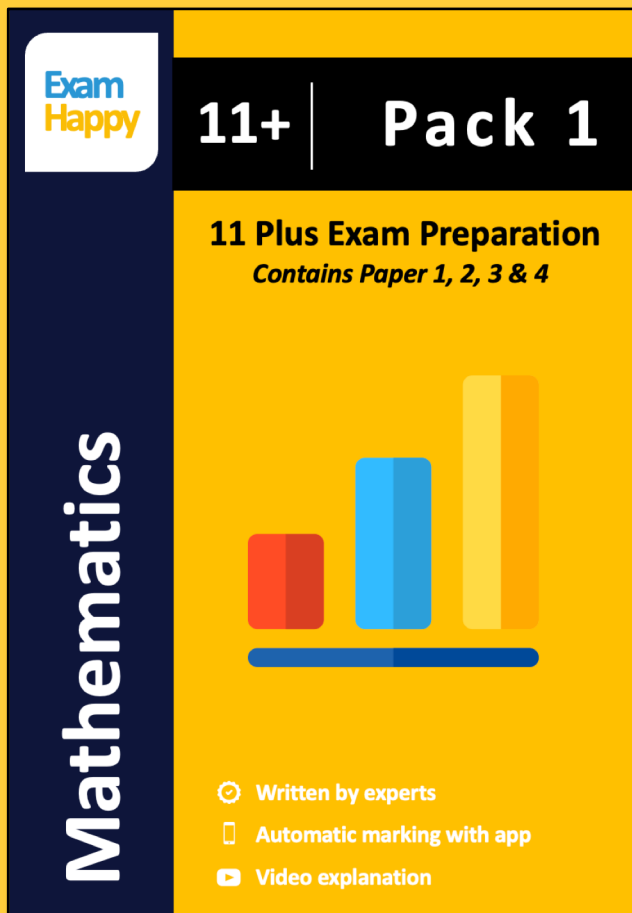
Which of the following options are listed in ascending order of size?

- A 0.049 kg,  $\frac{45}{100}$  kg, 55 g  
 B  $\frac{45}{100}$  kg, 0.049 kg, 55 g  
 C  $\frac{45}{100}$  kg, 55 g, 0.049 kg  
 D 0.049 kg, 55 g,  $\frac{45}{100}$  kg  
 E 55 g, 0.049 kg,  $\frac{45}{100}$  kg

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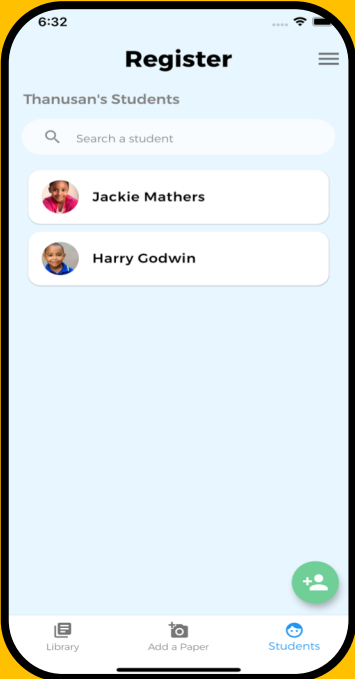


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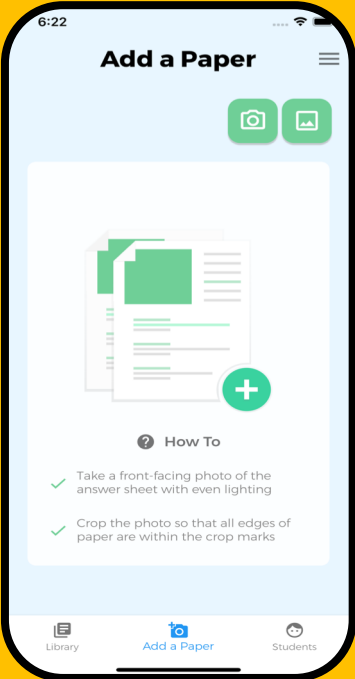
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# Using the App

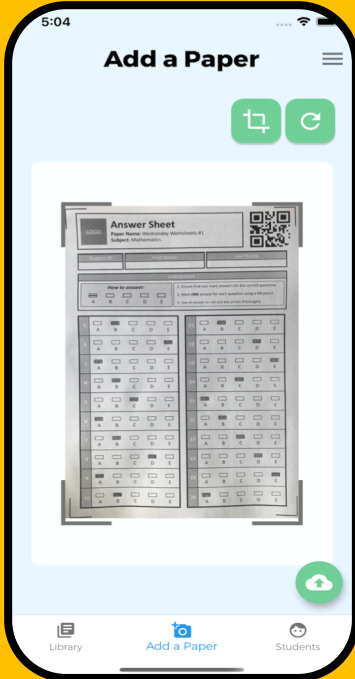
## 1 Finish paper and take picture of answer sheet to instantly mark



Register

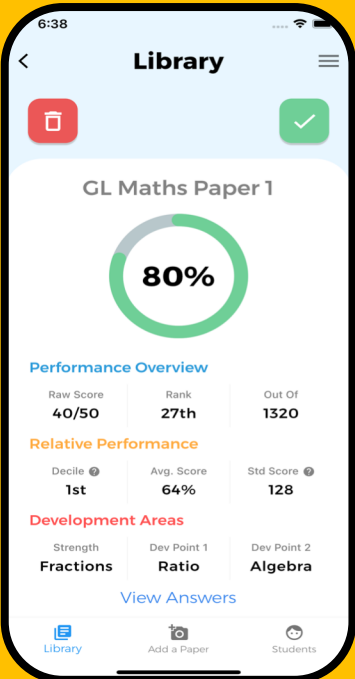


Take a picture



Upload

## 2 Access your score vs average, pass marks, and video explanations



Instantly mark

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50				

Check mistakes



Video solutions

## About this pack



Contains 1 complete Mathematics worksheet



Expertly created in line with the national curriculum



Excellent for Grammar & Independent school preparation



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Detailed video explanations included via App

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