

11 Plus Exam Preparation



Written by experts



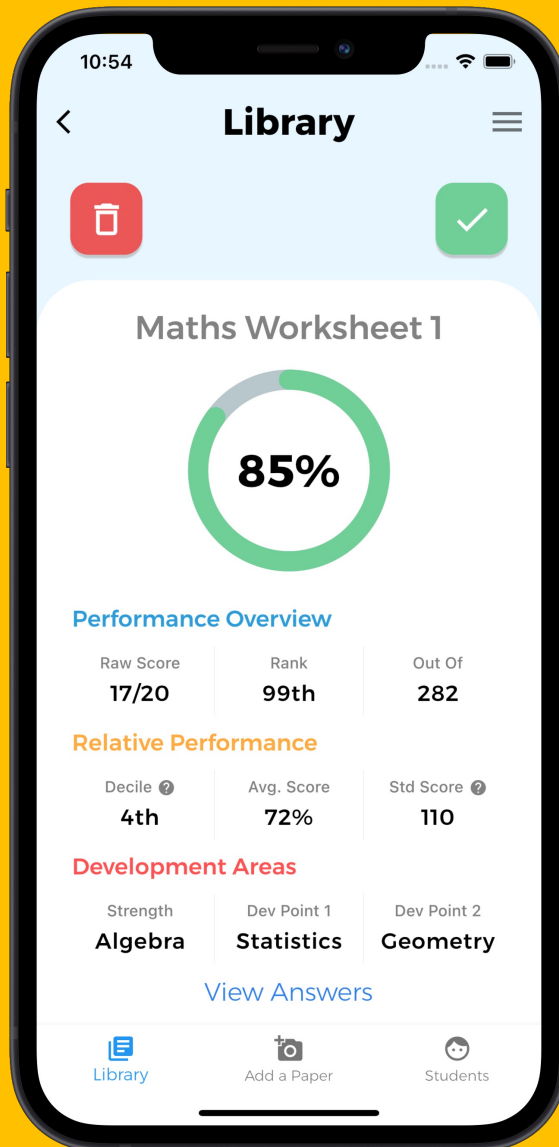
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Video explanation

Mathematics

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Answer Sheet

Paper Name: Maths Sample Worksheet

Paper ID: WW-MA-01-20Q

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**

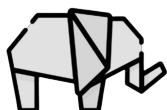
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	A	B	C	D	E
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	A	B	C	D	E

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Instructions

1. You have 20 minutes to complete this test
2. This is a multiple-choice test and each question carries one mark
3. Mark your 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
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Non-Verbal Reasoning

Verbal Reasoning

English

Mathematics

11+ Vocab Sheet #1

Task: Learn the following fifteen common 11+ words using the definitions provided. Once ready, test your skills using the review sheet on the next page!

SACRIFICE	To give up something valuable
PURPOSE	Reason (why you do something)
DIGEST	To change food in your stomach into substances your body can use
POULTRY	Chicken meat or bird meat
COMRADE	A friend, especially someone who fights with you in war
ENDEAVOUR	To try really hard
WHOLLY	Entirely
ORIGIN	Where something comes from
MORAL	The right thing to do
SERMON	A religious speech given by a priest in a church
IDLE	Not working/staying still
IDOL	Someone that you respect very much
STOOP	To bend down
GRATE	To break food (such as cheese) into small, thin pieces
LINGER	To stay somewhere for a long time

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1

What is 4579 rounded to the nearest hundred?

- A 4580 B 4500 C 4000 D 5000 E 4600

2

What is $9.09 + 3.56$?

- A 5.53 B 12.65 C 11.55 D 10.42 E 13.85

3

Which of these gives the answer 85?

- A $4 \times (1/5 \times 120)$
B $3 \times (2/6 \times 96)$
C $8 \times (1/9 \times 81)$
D $5 \times (1/3 \times 51)$
E $6 \times (3/4 \times 32)$

4

A box of apples weighs 7.8 kilograms.
The box weighs 600 g and holds 30 apples.

What is the weight of 4 apples?

- A 120 g B 240 g C 720 g D 480 g E 960 g

5

Which of the following measurements of volume is greatest?

- A 75 cl B 850 ml C 0.99 l D 1.01 l E 105 cl

6

Ashwin and Latifa play a game where they count up in multiples of 7 and 13. Ashwin counts up in 7 and Latifa counts up in 13.

Which of the following numbers do they both count to?

- A 26 B 182 C 65 D 143 E 247

7

The below is a page taken from a newspaper, showing adverts for different services. VAT is a tax which has to be paid in addition, and is currently 20% of listed price.

Newspaper Ads	
Pet Services	
Deworming	£80 + VAT
Grooming	£60 + VAT
Training	£100 + VAT

How much would it cost to groom a pet, including VAT?

- A £96 B £60 C £72 D £120 E £66

8

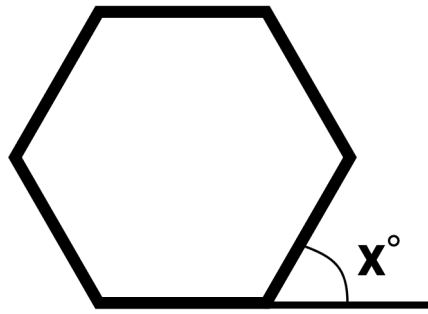
Dillon, Nathan, Aran and Jessica entered a relay race as a team. Dillon ran in 13.8 seconds, Nathan ran in 14.3 seconds, Aran ran in 13.2 seconds and Jessica ran in 12.1 seconds.

How long did the team take to complete the race?

- A 49.4 s B 48.8 s C 53.4 s D 51.7 s E 52.4 s

9

Samantha draws a regular hexagon on a piece of paper.



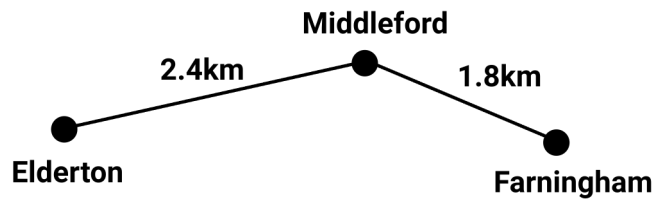
What is the size of angle x ?

- A 60° B 45° C 80° D 55° E 135°

10

The following route shows the distance between 3 towns: Farningham, Elderton, and Middleford.

Ryan walks from Elderton to Middleford to visit his friend. He then walks to Farningham before returning to Middleford.



How far did Ryan walk in total?

- A 8.4 km B 6.0km C 6.6km D 7.2km E 4.2km

11

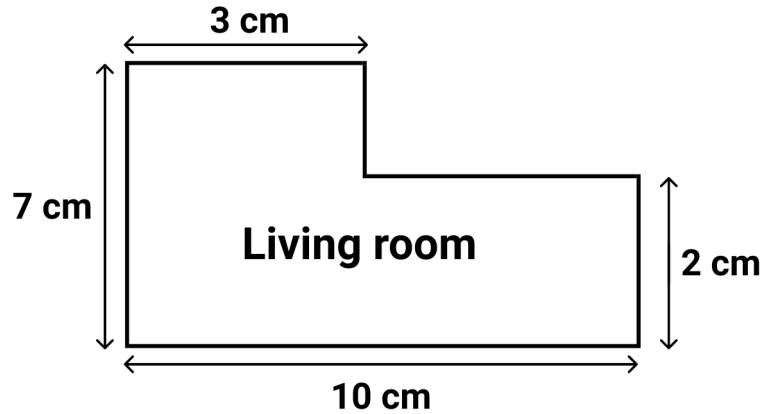
At a school fair, Zain wins 127 sweets which he decides to split evenly amongst himself and his 6 friends.

How many sweets are left over?

- A 3 B 5 C 1 D 4 E 2

12

Archie the architect draws a plan for a new living room. He drew the plan with the scale of 1:100.

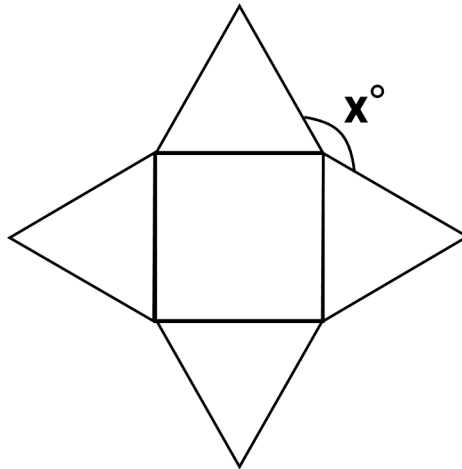


What is the total area of the room in real life?

- A 32 m^2 B 45 m^2 C 31 m^2 D 35 m^2 E 40 m^2

13

Elliot draws the following shape using one square and four equilateral triangles.

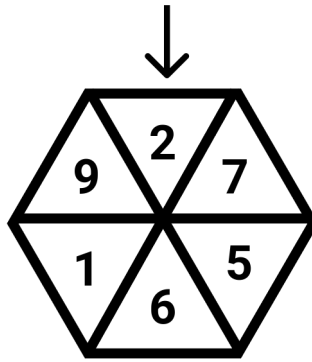


What is the angle marked x ?

- A 130° B 150° C 100° D 110° E 120°

14

Harriet spins a hexagonal spinner and sees which number it lands on.



What is the probability that the spinner lands on an odd number?

A $\frac{3}{6}$

B $\frac{2}{3}$

C $\frac{4}{5}$

D $\frac{1}{3}$

E $\frac{4}{7}$

15

Jason's dad buys a monthly subscription for a coffee shop. The subscription costs £20 a month and allows him to claim up to 5 coffees a day. Each coffee costs £1.20.

What is the least number of days required for Jason's dad to claim enough coffees to cover his monthly subscription cost?

A 4

B 1

C 5

D 6

E 2

16

Ranjith draws a shape with 4 sides and 1 pair of parallel sides.

What is the name of the shape that he drew?

A Kite

B Rhombus

C Trapezium

D Parallelogram

E Rectangle

17

Roxanne thinks of a number. She multiplies by 12, subtracts 6 and then finally divides by 7. The number she ends with is 18.

What was the number that Roxanne initially thought of?

- A 8 B 10 C 7 D 9 E 11

18

In a class of 40 children, $\frac{1}{4}$ have pets. Of the children who have pets, 40% have dogs.

How many children have pet dogs?

- A 3 B 4 C 10 D 12 E 6

19

Michael has 13 lots of 50p coins and 7 lots of 2p coins. Mara, on the other hand, has 2 lots of £2 coins and 7 lots of 20p coins.

How much more money does Michael have than Mara?

- A £1.24 B £1.29 C £2.66 D £1.89 E £2.95

20

Mr. Arthur measures the height of children in year 5.

He finds out that the mean height is 7 times the range. The tallest child in year 5 is 164 cm and the mean height is 140cm.

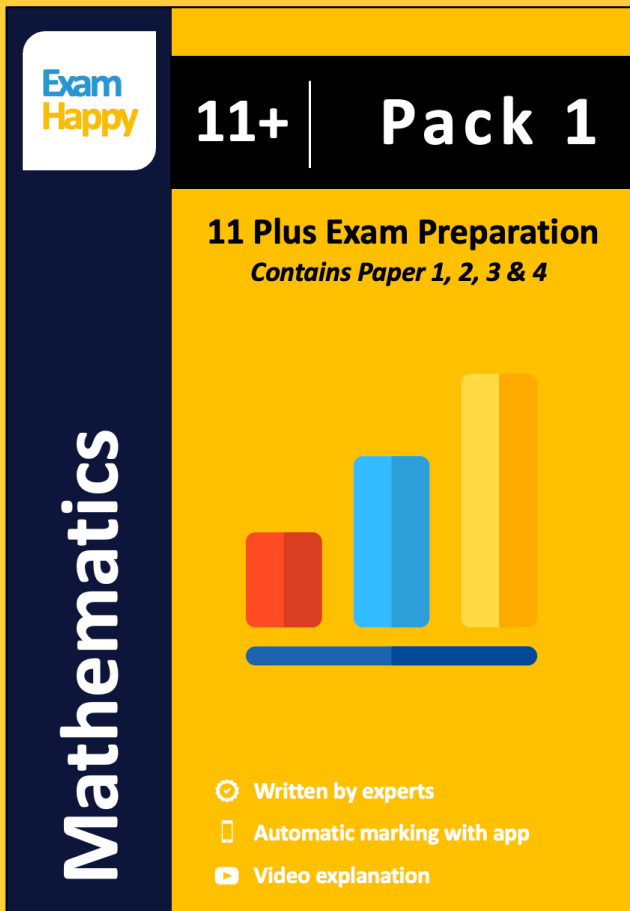
What is the height of the shortest child?

- A 144 cm B 150 cm C 171 cm D 155 cm E 139 cm

End of Test: Now take a picture of your answer sheet
in the Exam Happy app to mark your answers

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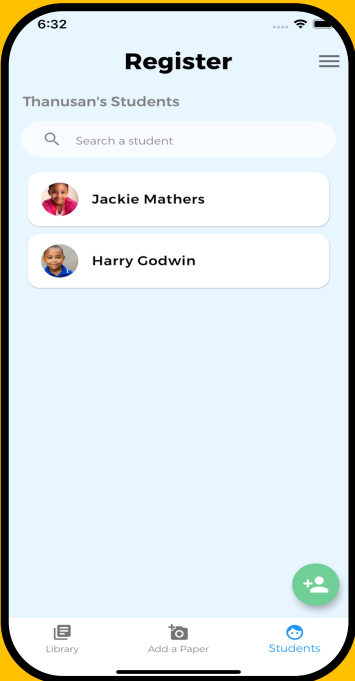


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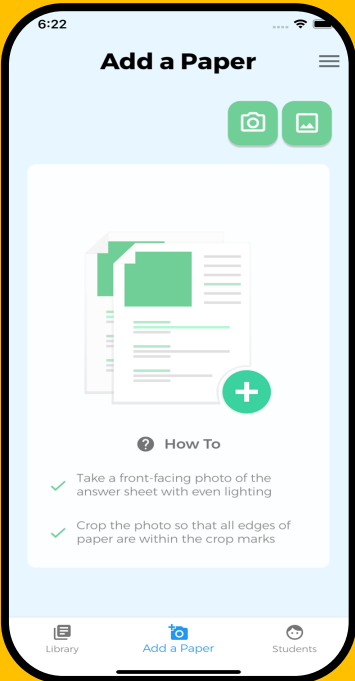
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Using the App

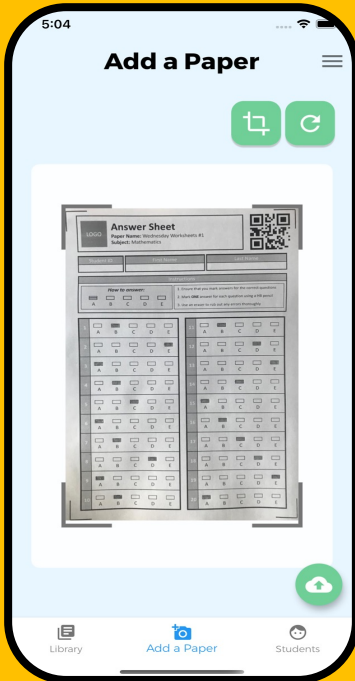
1 Finish paper and take picture of answer sheet to instantly mark



Register

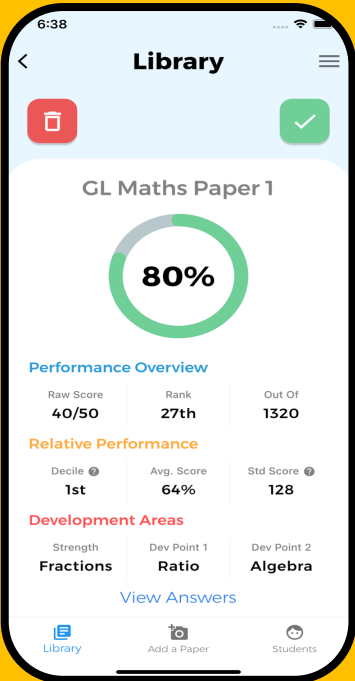


Take a picture



Upload

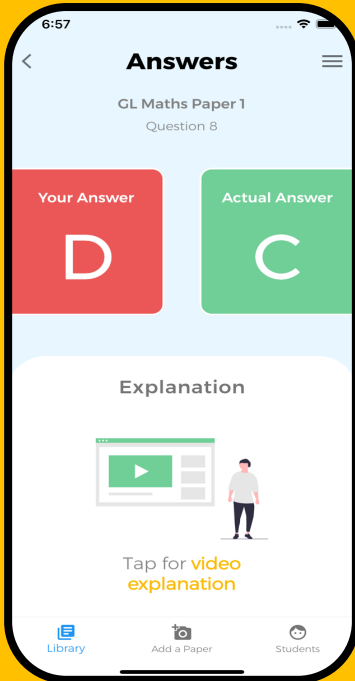
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Instantly mark



Check mistakes



Video solutions

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