

SURNAME FIRST NAME

JUNIOR SCHOOL SENIOR SCHOOL



Independent Schools
Examinations Board

COMMON ENTRANCE EXAMINATION AT 13+

MATHEMATICS

MENTAL ARITHMETIC TEST

Monday 22 January 2018

Please read this information before the examination starts.

- Answers are to be written in the spaces provided on the answer sheet.
- You may use a pen or a pencil.
- You may **not** use calculators, rulers, geometrical instruments etc.
- Erasers and correcting fluid are **not** permitted. If you wish to change an answer, you should cross it through and write the correction beside it.
- Write your name, the name of your junior school and the senior school for which you are entered at the top of your answer sheet.

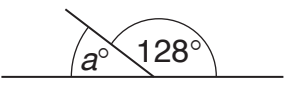


For the first group of questions, you have five seconds to write down your answer.

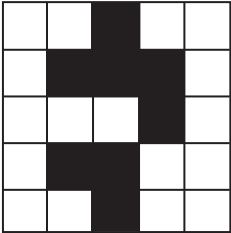
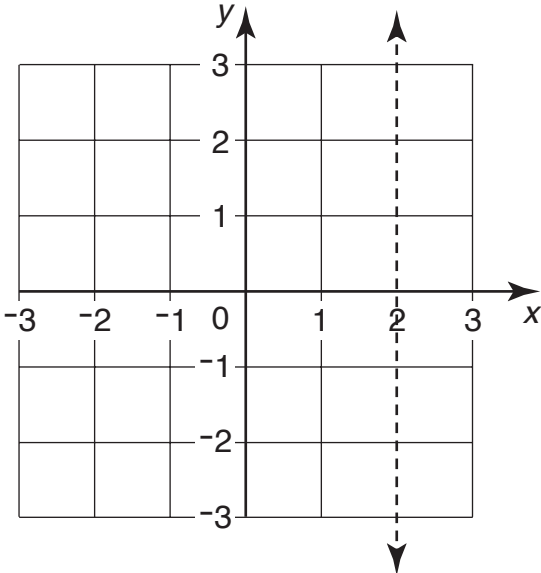
ANSWER	ROUGH JOTTINGS
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Practice question

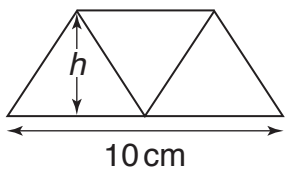
	85 15
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1.	5 60
2.	8 -18
3. $a =$ °	not to scale 
4. of	20th of November 2 weeks
5. %	$\frac{2}{5}$
6.	1.411 1.42 1.0411 1.4

For the next group of questions, you have ten seconds to write down your answer.

ANSWER	ROUGH JOTTINGS
7.	9^2 2^3
8. £	3 £1.80 5
9. 	
10.	
11.	3 8 6
12. °	12 8
13.	

For the final group of questions, you have twenty seconds to write down your answer.

ANSWER	ROUGH JOTTINGS
14.	$1\frac{1}{4}$ minutes 20 minutes
15.	55 pence £10
16. $y =$	$3y - 2$ prime
17.	90 000 27
18.	$\frac{3}{8}$ $\frac{4}{9}$
19.	8 cm^2 72 cm^2
20. $h =$ cm	 not to scale 45 cm^2

(Total marks: 20)