

First name	
Last name	
School	

CE AT 13+

MENTAL ARITHMETIC TEST

ISEB

Independent Schools
Examinations Board

Specimen Paper

Friday 10 June 2022

Time allowed: 10 minutes

Instructions

Do not open this booklet until you are told to do so.

Write your answers in the spaces provided.

Each question is worth 1 mark. There are no marks for working, but you may do any working you wish.

Answers given as fractions should be in their lowest terms.

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 school and the senior school for which you are entered at the top of your answer sheet.

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1. $3 \times 5 = \dots\dots\dots$
2. $12 \times 4 = \dots\dots\dots$
3. $8 \times 7 = \dots\dots\dots$
4. $5 \times 9 = \dots\dots\dots$
5. $6 \times 3 = \dots\dots\dots$
6. $7 \times 12 = \dots\dots\dots$
7. $6 \times 8 = \dots\dots\dots$
8. $11 \times 4 = \dots\dots\dots$
9. $9 \times 4 = \dots\dots\dots$
10. $23 + 8 + 17 = \dots\dots\dots$
11. $308 - 196 = \dots\dots\dots$
12. $9 - 12 = \dots\dots\dots$
13. $5 \times 23 \times 2 = \dots\dots\dots$
14. $12^2 = \dots\dots\dots$
15. $60 \times 40 = \dots\dots\dots$
16. $63 \div 9 = \dots\dots\dots$
17. $240 \div 8 = \dots\dots\dots$
18. $350 \div 70 = \dots\dots\dots$
19. Subtract 43 from 100

 $\dots\dots\dots$
20. Multiply 6.8 by 100

 $\dots\dots\dots$
21. $2 + 3 \times 4$

 $\dots\dots\dots$
22. 68×5

 $\dots\dots\dots$
23. What is the square root of 81?

 $\dots\dots\dots$
24. Write $\frac{7}{25}$ as a percentage.


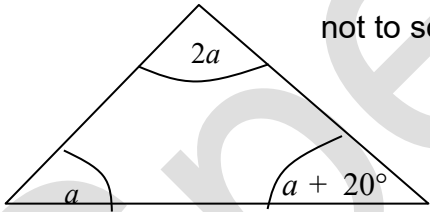
 $\dots\dots\dots\%$
25. Write 0.8 as a fraction in lowest terms.

 $\dots\dots\dots$
26. Write 4.8 kilograms in grams.

 $\dots\dots\dots\text{ g}$
27. 0.6×0.03

 $\dots\dots\dots$
28. 14×15

 $\dots\dots\dots$

		ANSWER
29.	Estimate the value of 79×302	
30.	Mary runs 8.5 kilometres then walks 650 metres. How far does she go altogether?	km
31.	A car drives 40 miles every hour. How long will it take to travel 240 miles?	hours
32.	James rolls a fair die. What is the probability it lands with a square number face up? 	
33.	Adult tickets to <i>Maths Zone</i> are £15 each. Children go half price. Find the cost for a family of 2 adults and 3 children.	£
34.	What is the value of $12 \div 0.3$?	
35.	What is the value of x when $\frac{8}{x} = 2$?	$x =$
36.	 <p>Find the value of a.</p>	$a =$ °
37.	The length of one side of a rectangle is 7 metres. Its area is 28 square metres. What is its perimeter?	m
38.	Find the value of $423 \times 19 + 423$	
39.	Find the value of $58.6 \div 0.586$	
40.	What is $\frac{3}{4}$ of $\frac{4}{5}$ of $\frac{5}{6}$?	

(Total marks: 40)