ENGLAND GCSE MATHS OCR FOUNDATION · UNIT 1 · 25 QUESTIONS

Number, Structure and Calculation — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Amara buys a guitar for £76. She pays with £81. How much change does she get?**

- A £4
- B £6
- C £10
- D £5

Understand It with Pulse | Flag a mistake

2 **Each box holds 7 glass marbles. How many glass marbles are in 6 boxes?**

- A 13
- B 42
- C 49
- D 35

Understand It with Pulse | Flag a mistake

3 **Each bag holds 7 red apples. How many red apples are in 5 bags?**

- A 28
- B 42
- C 12
- D 35

Understand It with Pulse | Flag a mistake

4 **Amara buys a tennis ball for £8. She pays with £13. How much change does she get?**

A £10

B £5

C £4

D £6

Understand It with Pulse | Flag a mistake

5 **Each box holds 6 eggs. How many eggs are in 4 boxes?**

A 10

B 30

C 18

D 24

Understand It with Pulse | Flag a mistake

6 **Amara buys hardcover books for £12. She pays with £17. How much change does she get?**

A £4

B £5

C £10

D £6

Understand It with Pulse | Flag a mistake

7 **The highest common factor of 12 and 48 is**

A 10

B 14

C 16

D 12

Understand It with Pulse | Flag a mistake

8 **Amara buys a jumper for £32.15 and a ticket for £21.34. How much does she spend in total?**

A £53.49

B £51.49

C £51.99

D £43.99

Understand It with Pulse | Flag a mistake

9 **Which is the smallest of these numbers?**

A 0.04

B 0.35

C 0.4

D 0.45

Understand It with Pulse | Flag a mistake

10 The cube root of 125 is

- A 7
- B 5
- C 10
- D 6

Understand It with Pulse | Flag a mistake

11 In 12047, the digit 1 has the value

- A 10000
- B 100000
- C 100
- D 1000

Understand It with Pulse | Flag a mistake

12 **3.6×10^4 is equal to**

- A 3600
- B 36000
- C 360000
- D 37000

Understand It with Pulse | Flag a mistake

13 **An estimate for 198×21.3 is**

- A 8316
- B 4368
- C 4158
- D 2079

Understand It with Pulse | Flag a mistake

14 **0.7 × 0.4 is equal to**

A 2.8

B 1.1

C 0.28

D 0.38

Understand It with Pulse | Flag a mistake

15 **5 + 7 × 5 is equal to**

A 40

B 45

C 17

D 60

Understand It with Pulse | Flag a mistake

16 **-7 + 13 is equal to**

A 7

B 11

C 6

D 8

Understand It with Pulse | Flag a mistake

17 **The lowest common multiple of 12 and 32 is**

A 32

B 12

C 94

D 96

Understand It with Pulse | Flag a mistake

18 **Amara buys a bag for £82 and a game for £27.23. How much does she spend in total?**

A £104.73

B £109.23

C £119.23

D £108.23

Understand It with Pulse | Flag a mistake

19 **The value of 6^3 is**

A 108

B 216

C 18

D 210

Understand It with Pulse | Flag a mistake

20 **Write $3^5/3^4$ as a single power of 3**

A 3^{20}

B 3^3

C 3^1

D 3^9

Understand It with Pulse | Flag a mistake

21 **Which is the largest of these numbers?**

A 0.54

B 0.45

C 0.35

D 0.04

Understand It with Pulse | Flag a mistake

22 **The value of <svg viewBox="0 0 200 100" preserveAspectRatio="none" aria-hidden="true" style="position:absolute;left:0;top:-.14em;width:100%;height:calc(100% + 0.14em);overflow:visible"><path d="M3 52 L21 97 L40 6 L200 6" fill="none" stroke="currentColor" stroke-width="2.6" stroke-linejoin="round" stroke-linecap="round" vector-effect="non-scaling-stroke"/></svg>100square root of 100 is**

- A 9
- B 11
- C 20
- D 10

Understand It with Pulse | Flag a mistake

23 **In 47291, the digit 9 has the value**

- A 90
- B 9000
- C 900
- D 9

Understand It with Pulse | Flag a mistake

24 **1.5×10^3 is equal to**

- A 150
- B 2500
- C 15000
- D 1500

Understand It with Pulse | Flag a mistake

25 **An estimate for 29.7 × 4.9 is**

A 150

B 120

C 300

D 75

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**10.**	B	**19.**	B
2.	B	**11.**	A	**20.**	C
3.	D	**12.**	B	**21.**	A
4.	B	**13.**	C	**22.**	D
5.	D	**14.**	C	**23.**	A
6.	B	**15.**	A	**24.**	D
7.	D	**16.**	C	**25.**	A
8.	A	**17.**	D		
9.	A	**18.**	B		

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