ENGLAND GCSE MATHS EDEXCEL HIGHER · 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 **Zara buys a guitar for £78. She pays with £88. How much change does she get?**

- A £15
- B £9
- C £11
- D £10

Understand It with Pulse | Flag a mistake

2 **Each bag holds 12 red apples. How many red apples are in 5 bags?**

- A 48
- B 17
- C 60
- D 72

Understand It with Pulse | Flag a mistake

3 **Each crate holds 9 lemons. How many lemons are in 6 crates?**

- A 45
- B 63
- C 15
- D 54

Understand It with Pulse | Flag a mistake

4 **Zara buys a calculator for £19. She pays with £24. How much change does she get?**

- A £10
- B £4
- C £6
- D £5

Understand It with Pulse | Flag a mistake

5 **Each crate holds 5 glass marbles. How many glass marbles are in 5 crates?**

- A 10
- B 20
- C 30
- D 25

Understand It with Pulse | Flag a mistake

6 **Zara buys a bicycle for £138. She pays with £140. How much change does she get?**

- A £1
- B £2
- C £3
- D £7

Understand It with Pulse | Flag a mistake

7 **Zara buys a tennis ball for £4. She pays with £24. How much change does she get?**

- A £21
- B £25
- C £20
- D £19

Understand It with Pulse | Flag a mistake

8 **-2 + 5 is equal to**

A -7

B 5

C 3

D 4

Understand It with Pulse | Flag a mistake

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

A 0.45

B 0.04

C 0.405

D 0.4

Understand It with Pulse | Flag a mistake

10 **The lowest common multiple of 24 and 28 is**

- A 174
- B 164
- C 28
- D 168

Understand It with Pulse | Flag a mistake

11 **Write $1/\sqrt{3}$ with a rational denominator**

- A $\sqrt{3}/2$
- B $\sqrt{3}/3$
- C $\sqrt{3}$
- D $\frac{1}{3}$

Understand It with Pulse | Flag a mistake

12 In 47291, the digit 2 has the value

- A 2000
- B 200
- C 2
- D 20

Understand It with Pulse | Flag a mistake

13 Write in its simplest form $\sqrt{32}$

- A $\sqrt{32}$
- B $\sqrt{16}$
- C $4\sqrt{2}$
- D $5\sqrt{2}$

Understand It with Pulse | Flag a mistake

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

- A 5^3
- B 5^9
- C 5^1
- D 5^{20}

Understand It with Pulse | Flag a mistake

15 **The value of $\sqrt{49}$ is**

- A 7
- B 14
- C 6
- D 8

Understand It with Pulse | Flag a mistake

16 **Aisha has 4 tops, 3 skirts and 4 pairs of shoes. How many different outfits can she make?**

- A 48
- B 16
- C 11
- D 12

Understand It with Pulse | Flag a mistake

17 **3.6×10^4 is equal to**

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

Understand It with Pulse | Flag a mistake

18 **An estimate for 19.8×30.8 is**

- A 930
- B 1240
- C 600
- D 620

Understand It with Pulse | Flag a mistake

19 **Between which two whole numbers does $\sqrt{110}$ lie?**

- A 11 and 12
- B 10 and 11
- C 10 and 12
- D 9 and 10

Understand It with Pulse | Flag a mistake

20 **3 + 3 × 7 is equal to**

- A 13
- B 24
- C 16
- D 42

Understand It with Pulse | Flag a mistake

21 **The value of 3^4 is**

- A 81
- B 7
- C 243
- D 82

Understand It with Pulse | Flag a mistake

22 **Zara buys a basketball for £25. She pays with £30. How much change does she get?**

A £5

B £4

C £6

D £10

Understand It with Pulse | Flag a mistake

23 **Each crate holds 6 hardcover books. How many hardcover books are in 6 crates?**

A 42

B 30

C 36

D 12

Understand It with Pulse | Flag a mistake

24 **-14 + 9 is equal to**

A -5

B -10

C 0

D -3

Understand It with Pulse | Flag a mistake

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

A 0.45

B 0.6

C 0.5

D 0.35

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.