



# Answer Sheet

Paper Name: Maths-Place Value

Paper ID: CUSTOM-MA-D2973B89B8

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**

|    |                      |                      |                      |                      |                      |
|----|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 2  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 3  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 4  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
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|    | A                    | B                    | C                    | D                    | E                    |
| 6  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
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| 8  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 9  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 10 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |

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| 11 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 12 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 13 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 14 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 15 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 16 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 17 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 18 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 19 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |
| 20 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|    | A                    | B                    | C                    | D                    | E                    |

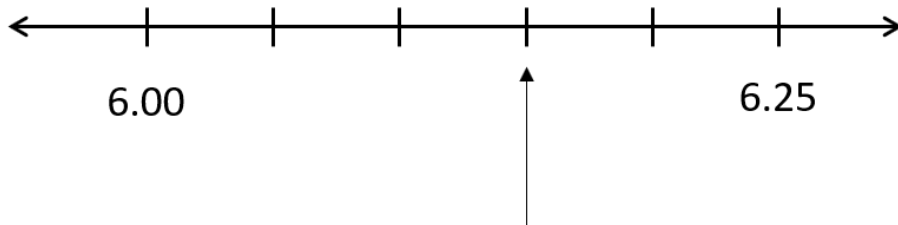
- 1.** Look at the magic grid below, which follows a pattern.

|    |    |    |
|----|----|----|
| 7  | 14 | 21 |
| 14 | ?  | 28 |
| 21 | 28 | 35 |

**What is the missing number?**

- A** 7                      **B** 20                      **C** 21                      **D** 35                      **E** 15

- 2.** What number is the arrow pointing to?



- A** 6.10                      **B** 6.20                      **C** 6.15                      **D** 6.05                      **E** 6.03

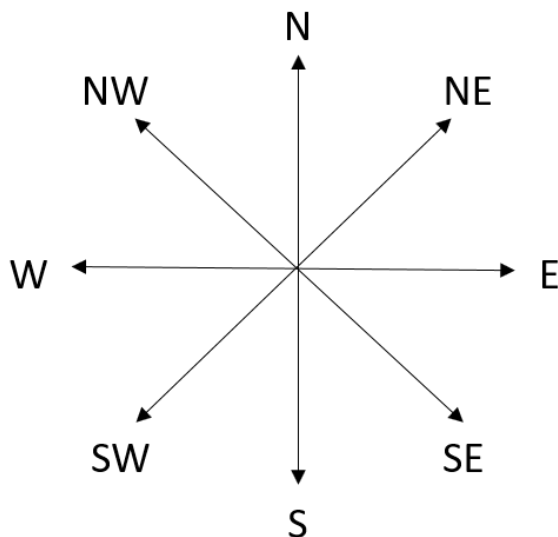
- 3.** What is  $9.09 + 3.56$ ?

- A** 5.53                      **B** 12.65                      **C** 11.55                      **D** 10.42                      **E** 13.85

- 4.** What is 4579 rounded to the nearest hundred?

- A** 4580                      **B** 4500                      **C** 4000                      **D** 5000                      **E** 4600

- 5.** The eight compass directions are shown below.  
Joseph is facing east.  
He turns  $75^\circ$  in a clockwise direction.



**Which of the following directions is closest to Joseph's direction?**

- A** North-East
  - B** East
  - C** South-East
  - D** North
  - E** South
- 6.** Round the number below to the nearest hundredth:

**1439.53243**

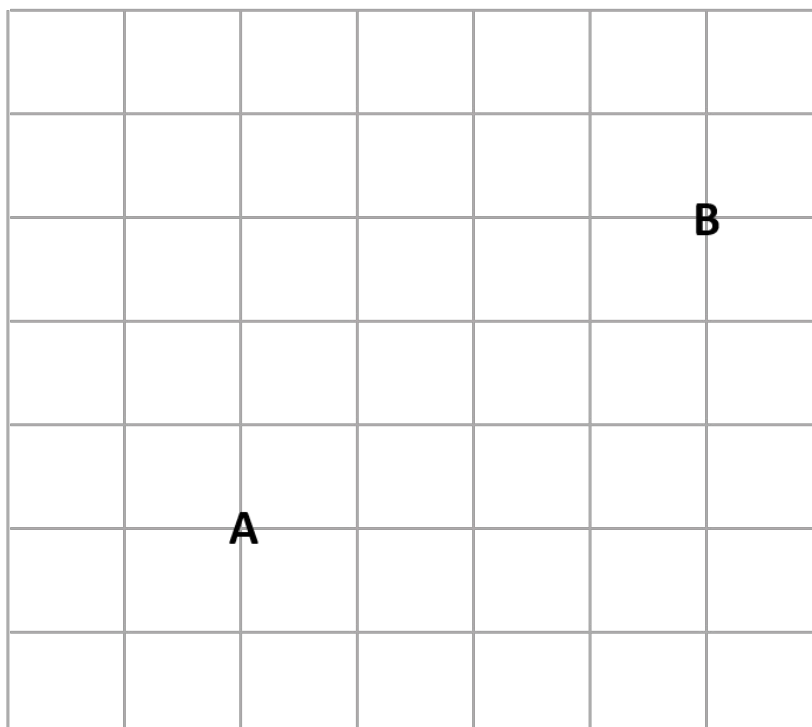
- A** 1439.54    **B** 1440.50    **C** 1439.53    **D** 1439.6    **E** 1439

- 7.** A = Two-hundred and twenty  
B = Three-hundred and forty-two

**What is A + B in roman numerals?**

- A** CCLXII
- B** DLXII
- C** DCLXII
- D** CDLXII
- E** CCCCLXII

- 8.** In the unit grid below, the coordinates of point B are (2, 2).



**What are the coordinates of point A?**

- A** (-2,-1)
- B** (-1,-2)
- C** (2,-1)
- D** (-2,1)
- E** (-1,2)

- 9.** Gary is 3 times older than his brother Andrew, who is 2 years older than their cousin Sarah. Gary is 15 years old.

**How old is Sarah?**

**A** 7                      **B** 30                      **C** 5                      **D** 32                      **E** 3

- 10.** Which of the following group of numbers are all multiples of either 6 or 10?

**A** 24, 28, 30

**B** 18, 20, 25

**C** 12, 40, 42

**D** 10, 20, 28

**E** 18, 24, 45

- 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.** 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

- 13.** Last week, Billy ordered himself a kebab every weekday. On the weekend, he ordered a kebab for himself, mum, dad and his brother on both Saturday and Sunday. If each kebab costs £4.99 and there is a £1.99 delivery fee, how much does he spend on kebabs that week?

**A** £64.87      **B** £82.78      **C** £48.86      **D** £78.80      **E** £56.85

- 14.** After his bath, Jaideep pulls the plug and water drains at a rate of 100ml per second. If his bath had 35 litres of water to begin with, roughly how many minutes does it take to fully drain the bath?

**A** 5 mins      **B** 4 mins      **C** 10 mins      **D** 6 mins      **E** 7 mins

- 15.**                                      3, 13, 17, 8, 21, 12, 9, 14, 11

**What is the median of this set of numbers?**

**A** 11                      **B** 12                      **C** 17                      **D** 9                      **E** 14

- 16.** How many numbers between 1 and 30, inclusive, are either prime numbers or square numbers?

**A** 12                      **B** 13                      **C** 14                      **D** 15                      **E** 16

- 17.** Tulika wrote down a number in Roman numerals.

**CMLXXXIII**

**What number did Tulika write down?**

- A** 1183      **B** 1583      **C** 983      **D** 933      **E** 583

- 18.** Which of these numbers is closest in value to 10?

- A** 10.102      **B** 9.099      **C** 10.019      **D** 9.899      **E** 9.975

*Line Spacer*

- 19.** Which of these numbers is the largest?

- A** 9.999      **B** 10.109      **C** 10.099      **D** 10.101      **E** 9.109

- 20.** Shannon and Michael are renovating their home by replacing their carpet with wooden floors. The quote they received from the store was £48 per square metre for material costs and £15 per square metre for labour costs. If the total area that they need covered is 60 square metres, how much will their total cost be?

- A** £3,780      **B** £2,880      **C** £2,895      **D** £3,490      **E** £2,450