



Answer Sheet

Paper Name: Letter sequences and sums

Paper ID: CUSTOM-VR-86579E799D

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	☐	☐	☐	☐	☐
	A	B	C	D	E
2	☐	☐	☐	☐	☐
	A	B	C	D	E
3	☐	☐	☐	☐	☐
	A	B	C	D	E
4	☐	☐	☐	☐	☐
	A	B	C	D	E
5	☐	☐	☐	☐	☐
	A	B	C	D	E
6	☐	☐	☐	☐	☐
	A	B	C	D	E
7	☐	☐	☐	☐	☐
	A	B	C	D	E
8	☐	☐	☐	☐	☐
	A	B	C	D	E
9	☐	☐	☐	☐	☐
	A	B	C	D	E
10	☐	☐	☐	☐	☐
	A	B	C	D	E

11	☐	☐	☐	☐	☐
	A	B	C	D	E
12	☐	☐	☐	☐	☐
	A	B	C	D	E
13	☐	☐	☐	☐	☐
	A	B	C	D	E
14	☐	☐	☐	☐	☐
	A	B	C	D	E
15	☐	☐	☐	☐	☐
	A	B	C	D	E
16	☐	☐	☐	☐	☐
	A	B	C	D	E
17	☐	☐	☐	☐	☐
	A	B	C	D	E
18	☐	☐	☐	☐	☐
	A	B	C	D	E
19	☐	☐	☐	☐	☐
	A	B	C	D	E
20	☐	☐	☐	☐	☐
	A	B	C	D	E

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Look at the letter sequence and find the next pair of letters by working out the pattern. The alphabet has been provided above to help you.

Example AC BE CG DI [?]

A RT

B EJ

C ET

D DT

E EK

Answer EK (add one to the first letter and two to the second letter each time)

1. YM ZL BJ EG [?]

2. OD WA PC UE RA SJ [?]

A UX

B VX

C QN

D QM

E UY

3. DX HZ LB PD [?]

A TG

B SG

C TF

D SF

E SH

4. TF XH SI VI RL TJ [?]

A RK

B QO

C RL

D QN

E QP

5. WI TF QC NZ [?]

A LW

B LX

C KX

D JW

E KW

6. UA ZW DT GR [?]

A IP

B FQ

C IO

D JP

E IQ

7. HP JS MV OY [?]

A RA

B QA

C SB

D QC

E RB

8. KT NP QM TK [?]

A VJ

B WI

C VK

D WJ

E XI

9. TA VY XW ZU [?]

A BS

B BT

C XS

D ST

E BW

10. GG MJ SM YP [?]

A EV

B ES

C FS

D FV

E GS

In this section, letters stand for numbers. Complete the sum to work out which letter is the correct answer.

Example $A = 5, B = 7, C = 6, D = 11, E = 12$. What is $A + C$?

A A

B B

C C

D D

E E

Answer **D** ($5 + 6 = 11$)

11. $A = 12, B = 16, C = 39, D = 3, E = 105$. What is $C \times D - A$?

A A

B B

C C

D D

E E

12. $A = 38, B = 2, C = 15, D = 34, E = 12$. What is $A \div B + C$?

A A

B B

C C

D D

E E

13. $A = -3, B = -6, C = -9, D = 16, E = 10$. What is $E + B - (A + C)$?

A A

B B

C C

D D

E E

14. $A = 4, B = 13, C = 32, D = 30, E = 5$. What is $(A \times B) - (A \times E)$?

A A

B B

C C

D D

E E

15. $A = 0, B = -10, C = -13, D = 23, E = 26$. What is $B + C + D$?

A A

B B

C C

D D

E E

16. $A = 13, B = 15, C = 21, D = 12, E = 7$. What is $A + B - E$?

A A

B B

C C
3

D D

E E

- 17.** $A = 8, B = 6, C = 7, D = 2, E = 16$,
calculate the following sum and then mark your answer as a letter.

$$E + B - C \times D = [?]$$

A A

B B

C C

D D

E E

- 18.** If $A = 5, B = 8, C = 11, D = 13, E = 15$,
calculate the following sum and then mark your answer as a letter.

$$E \div A + B = [?]$$

A A

B B

C C

D D

E E

- 19.** If $A = 2, B = 7, C = 14, D = 18, E = 28$,
calculate the following sum and then mark your answer as a letter.

$$(C + D) - (A \times B) = [?]$$

A A

B B

C C

D D

E E

- 20.** $A = 5, B = 7, C = -5, D = -3, E = 2$. What is $D + E \times A$?

A A

B B

C C

D D

E E