



Answer Sheet

Paper Name: Maths-Factors and Multiples-Four Operations
Paper ID: CUSTOM-MA-68855A19EC
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

1. 104,729 is a prime number.

What is the sum of all of its factors?

A 8,017 **B** 8,263 **C** 826,128 **D** 209,485 **E** 104,730

2. Which one of the following numbers is a multiple of 13?

A 281 **B** 72 **C** 106 **D** 208 **E** 413

3. Two whole numbers multiply together to make 96.

What is the smallest possible sum of the two numbers?

A 97 **B** 20 **C** 50 **D** 22 **E** 14

4. What are the prime factors of 156?

A $2 \times 3 \times 13$

B $2 \times 2 \times 3 \times 11$

C $2 \times 3 \times 3 \times 13$

D $2 \times 2 \times 3 \times 13$

E 13×14

- 5.** Three bells ring at following intervals:



1st bell
Rings every 3 seconds

2nd bell
Rings every 5 seconds

3rd bell
Rings every 9 seconds

If they all ring at the same time, after how many seconds will they ring together again?

- A 60 sec B 90 sec C 45 sec D 30 sec E 15 sec

- 6.** How many numbers are there between 1 and 100 (including both), which are even or multiples of 5?

- A 50 B 40 C 30 D 20 E 60

- 7.** Which of the following is a factor of 595?

- A 25 B 12 C 13 D 15 E 17

- 8.** $51 = a \times b$ where a is smaller than b , and both numbers are less than 20.

What is the value of $a - b$?

- A 50 B 14 C 17 D -14 E 51

- 9.** Sam and Cam choose two numbers. The lowest common multiple of the two numbers is 24, the highest common factor is 4, and the difference is greater than 10.

What is the larger of the two numbers?

A 24 **B** 8 **C** 6 **D** 12 **E** 4

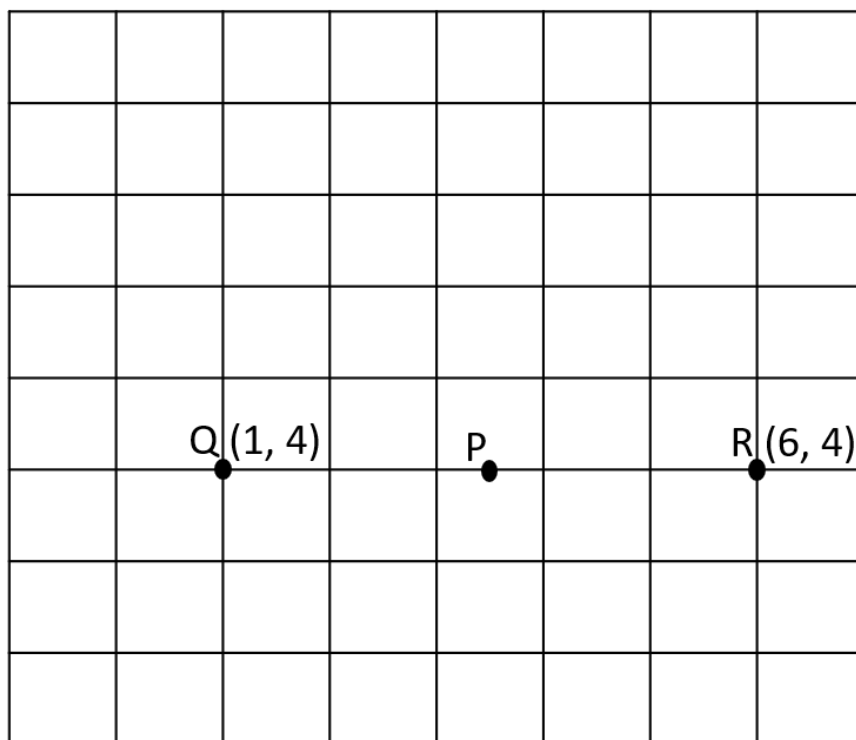
- 10.** What is the lowest common multiple of 12 and 16?

A 4 **B** 2 **C** 48 **D** 12 **E** 192

- 11.** What is 875×22 ?

A 19,250 **B** 19,200 **C** 21,160 **D** 16,280 **E** 17,890

- 12.** Point P is between points Q and R, as shown in the graph below.



What are the coordinates of point P?

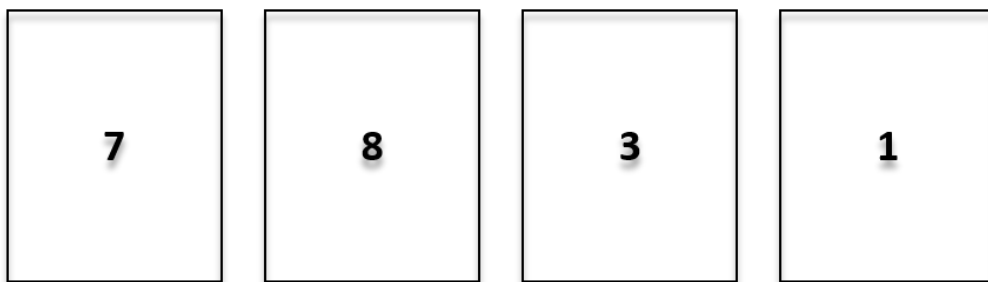
- A** (3.5, 4) **B** (2.5, 3) **C** (2.5, 3.5) **D** (3.5, 2.5) **E** (2.5, 4)

- 13.** Pairs of socks cost £1.99 each.

How much do 11 pairs of socks cost?

- A** £20.99 **B** £24.00 **C** £22.99 **D** £21.89 **E** £23.69

- 14.** Jim has the following number cards and can only use each card once.



What is the largest even number that he could make?

- 15.** Priti receives 500 emails every hour and does her best to get through them all.
- If she can only open 212 emails every hour, how many does she still have to open after 5 hours?**
- A 2500 B 1440 C 1060 D 1324 E 1200

- 16.** Ismail has 350 sweets to share between himself and 15 of his friends. He wants to ensure that everyone gets exactly the same number of sweets.



What is the maximum number of sweets everyone can have?

- A 18 B 15 C 16 D 21 E 20

- 17.** Garry has twice as many sweets as Danny. After eating 10 sweets each, Garry has three times as many sweets as Danny.

How many sweets did Danny start with?

A 50 **B** 40 **C** 30 **D** 20 **E** 10

- 18.** To “rectify” a number, I add the digits of the number and then divide by 2. For example, 24 “rectifies” to 3 because, $2 + 4 = 6$ and $6 \div 2 = 3$.

Which of the following numbers does not “rectify” to a whole number?

A 124,511 **B** 331,122 **C** 18,971 **D** 101,024 **E** 204,618

- 19.** It would take Bob and four other builders 2 days to paint a 3-bedroom house. If two of the builders are absent due to illness, then how long would it take to paint the house?

A 1 day and 5 hours
B 3 days and 8 hours
C 3 days and 12 hours
D 1 day and 8 hours
E 4 days

- 20.** Harry, Jian and Eleanor make a human chain by stretching out their arms as far as possible and linking hands. If the arm span of the children is 1.5 m, 1.32 m and 1.45 m respectively, then how long is the human chain that they form?

A 4.27 m **B** 4.37 m **C** 4.32 m **D** 4.42 m **E** 3.82 m