

STUDENT NAME <input style="width: 90%;" type="text"/>	STUDENT NUMBER <input style="width: 90%;" type="text"/>	SCHOOL <input style="width: 90%;" type="text"/>	DATE <input style="width: 90%;" type="text"/>
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### ⚠ INSTRUCTIONS TO CANDIDATES

1. Write your name, student number, and school in the spaces provided above.
2. Answer ALL questions in this paper.
3. Write your answers in the spaces provided on this paper.
4. Show all working clearly in the working space provided.
5. Calculators are NOT permitted in this examination.
6. Check your answers carefully before submitting.

**1** Write in words: **470,505**

Place Value Chart

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**2** Using the digits 2, 5, and 9, form the **smallest** 3-digit number that is divisible by 3.

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**3** There are 192 students going on a trip. Each bus can hold 6 students. How many buses are needed?

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**4** Calculate:  $45 \times \frac{2}{6}$

Multiplication  Fractions

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**5** Express 45% as a fraction in its simplest form.

Percentage

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**6** Find the missing number:  $36 \div 4 = 3 \times ?$

Division  Unknown

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**7** Insert the correct sign (<, >, or =):  $(25 - 8) \underline{\hspace{1cm}} (20 - 7)$

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**8** Complete the pattern: **7, 15, 23, 31, \_\_\_\_\_**

Number Pattern

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**9** Sarah bought a book for \$5.25, a pen for \$1.10, and a notebook for \$3.75. How much did she spend altogether?

Money

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**10** A factory made 120 toys on Monday. On Tuesday, they made 3 times as many. How many **more** toys were made on Tuesday?

Mon	Tue	Wed	Thu	Fri	Sat	Sun
120	?					

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**11** A ribbon starts at 12.3 cm and ends at 18.1 cm on a ruler. What is the length of the ribbon?

Measurement

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**12** A bag of rice weighs 3 kg. After using some, 1,200g remains. How many grams were used?

Weight

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**13** A project takes 25 days to complete. 4 days have passed. How many **weeks** remain?

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**14** A bottle contains 800 ml of medicine. Each dose is 40 ml. How many doses are in the bottle?

Medicine

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**15** Which 3D shape has one flat circular face and one curved surface?

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**16** A shape has an area of  $36 \text{ cm}^2$ . Each grid square is  $3 \text{ cm} \times 3 \text{ cm}$ . How many squares make up the shape?

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**17** If you are facing West and turn clockwise 3 quarter-turns, which direction are you facing?

N  E  S  W

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**18** A pie chart is divided into 5 equal parts. If the total is  $180^\circ$ , what is the angle of one part?

180° total

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**19** There are 12 fish in a tank. There are 4 more guppies than goldfish. How many guppies are there?

Guppies  Goldfish

WORKING SPACE

ANSWER: \_\_\_\_\_ 3 marks

**20** 30 students are in a class. 12 play football, 9 play basketball. The rest form circles of 3. How many circles are formed?

WORKING SPACE

ANSWER: \_\_\_\_\_ 4 marks

TOTAL MARKS

\_\_\_\_ / 60

PRINT EXAMINATION PAPER

## 🔑 MARK SCHEME & WORKING

Q#	ANSWER	WORKINGS / LOGIC
1	Four hundred seventy thousand, five hundred five	Place value check: 470 (thousands) and 505 (ones)
2	259	$2+5+9=16$ (not div by 3). Try 285, 529. $2+9+5=16$ , $5+2+9=16$ . Smallest is 259
3	32	$192 \div 6 = 32$
4	120	Multiply by reciprocal: $45 \times \frac{8}{3} = 15 \times 8 = 120$
5	9/20	$45/100$ reduced by dividing by 5 = 9/20
6	3	$36 \div 4 = 9$ . Then $3 \times 9 = 27$ . Answer is 3
7	>	Left: $25 - 8 = 17$ . Right: $20 - 7 = 13$ . $17 > 13$
8	39	Sequence increases by 8 each time. $31 + 8 = 39$
9	\$10.10	$5.25 + 1.10 + 3.75 = 10.10$
10	240	Tuesday = $120 \times 3 = 360$ . $360 - 120 = 240$ more
11	5.8 cm	Subtract start from end: $18.1 - 12.3 = 5.8$
12	1,800g	$3\text{kg} = 3,000\text{g}$ . $3,000 - 1,200 = 1,800\text{g}$
13	3 weeks	$25 - 4 = 21$ days. $21 \div 7 = 3$ weeks
14	20 doses	$800 \div 40 = 20$
15	Cone	A cone has one flat circle face and one curved side
16	4 squares	Each grid square is $3 \times 3 = 9\text{cm}^2$ . $36 \div 9 = 4$ squares
17	South	Facing West: 1st (North), 2nd (East), 3rd (South)
18	36	Total = $180^\circ$ . $180 \div 5 = 36$
19	4 Guppies	$12 - 4$ (excess) = 8. $8 \div 2 = 4$
20	3 circles	$12 + 9 = 21$ students. $30 - 21 = 9$ left. $9 \div 3 = 3$ circles