

11+ Maths Practice Paper

Year 5 · Intermediate

Lesson 1.1: Standard place value and column mechanics

Read this with your child:

1. This paper has **24 questions** in two parts. Work through them in order. The questions get harder as you go.
2. **Part 1** is multiple choice. Choose **one** answer, A, B, C, D or E, and mark it on the separate answer sheet by drawing a firm line through the box next to its letter. If you change your mind, rub the line out completely and mark your new answer.
3. **Part 2** asks you to write your answer. Write it in the boxes on the answer sheet, **one digit in each box**, starting from the left.
4. If a question is hard, leave it and come back to it at the end.
5. You may use rough paper for working out. You may **not** use a calculator.
6. Suggested time: **30 minutes**.

The answer sheet is after the questions. The answers, with a short explanation of each, are at the back for a parent to mark with.

These are original practice questions written by Elite Learners in the style of 11+ entrance tests. They are not produced by, or connected with, GL Assessment or Cambridge University Press & Assessment (CEM).

Example

Look at the number 362,415.

What is the value of the 6?

A 6

B 600

C 6,000

D 60,000

E 600,000

Answer: D The 6 is in the ten thousands column, so it is worth 60,000.

The answer, D, has already been marked on your answer sheet.

Now turn over and start Part 1.

Part 1: Multiple choice

1

Look at the number 184,532.

What is the value of the 8?

- A** 80,000 **B** 8,000 **C** 800,000 **D** 800 **E** 84,000

2

Which number is forty thousand, five hundred and twelve?

- A** 45,012 **B** 405,012 **C** 40,512 **D** 4,512 **E** 40,000,512

3

What is 73×1000 ?

- A** 7,300 **B** 730 **C** 70,300 **D** 730,000 **E** 73,000

4

Look at the number 2,694,058.

Which digit is in the hundred thousands column?

- A** 2 **B** 6 **C** 9 **D** 4 **E** 0

5

What is $56,000 \div 100$?

- A** 56 **B** 5,060 **C** 5,600 **D** 560 **E** 506

6

Which is the smallest number?

- A** 309,999 **B** 300,999 **C** 310,001 **D** 309,099 **E** 301,000

7

How many tens are there altogether in 4,370?

- A** 7 **B** 37 **C** 4,370 **D** 437 **E** 43

8

Which number is 10,000 more than 395,260?

- A** 405,260 **B** 396,260 **C** 495,260 **D** 395,360 **E** 305,260

9

What is $4,080 \times 100$?

- A 40,800 B 400,800 C 4,080,000 D 48,000 E 408,000

10

Which number is the same as $600,000 + 30,000 + 500 + 4$?

- A 630,540 B 635,004 C 630,504 D 603,504 E 6,030,504

11

In which number is the 7 worth 7,000?

- A 87,412 B 170,345 C 274,019 D 712,300 E 1,070,000

12

What is $902,000 \div 1000$?

- A 92 B 9,020 C 902 D 920 E 9,002

13

Which list is in order, largest first?

- A 54,230 · 54,320 · 54,302
B 54,230 · 54,302 · 54,320
C 54,302 · 54,320 · 54,230
D 54,320 · 54,230 · 54,302
E 54,320 · 54,302 · 54,230

14

In the number 66,666, every digit is a 6.

What is the value of the second 6 from the left?

- A 6 B 6,000 C 600 D 60 E 60,000

15

A number is multiplied by 100. The answer is 34,500.

What was the number?

- A 3,450,000 B 3,450 C 34,500 D 345 E 3,405

16

A school orders 3,600 pencils. They come in packs of 100.

How many packs does the school order?

A 360

B 36

C 3,600

D 306

E 3

17

The number 4?,603 is between 47,000 and 48,000.

Which digit is missing?

A 4

B 6

C 8

D 7

E 0

18

What is $52 \times 1000 \div 10$?

A 5,200

B 520

C 52,000

D 520,000

E 52

Part 2: Write your answer

19

Write three hundred and seven thousand and twenty in figures.

Write your answer in the boxes on the answer sheet, one digit in each box.

20

What is 48×1000 ?

Write your answer in the boxes on the answer sheet, one digit in each box.

21

What is $630,000 \div 100$?

Write your answer in the boxes on the answer sheet, one digit in each box.

22

How many hundreds are there altogether in 25,700?

Write your answer in the boxes on the answer sheet, one digit in each box.

23

What number is 1,000 less than 300,500?

Write your answer in the boxes on the answer sheet, one digit in each box.

24

? × 1000 = 406,000. What is the missing number?

Write your answer in the boxes on the answer sheet, one digit in each box.

Answer sheet

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Name

Draw a firm line through the box next to your answer, like the example.

Part 1: Multiple choice

Ex	A ☐	B ☐	C ☐	D ☒	E ☐
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 ☐

Part 2: Write your answer, one digit in each box

19						
20						
21						
22						
23						
24						

Answers

For a parent to mark with. One mark for each question: the paper is out of 24. Talk through any your child got wrong, using the explanation.

Q	Answer	How to get it
1	A 80,000	The 8 is in the ten thousands column, so it is worth 80,000.
2	C 40,512	4 ten thousands, 0 thousands, 5 hundreds, 1 ten and 2 ones.
3	E 73,000	Multiplying by 1000 moves every digit three places to the left. Three zeros fill the empty columns.
4	B 6	Count from the right: ones, tens, hundreds, thousands, ten thousands, then hundred thousands, which holds the 6.
5	D 560	Dividing by 100 moves every digit two places to the right: 560.
6	B 300,999	All have 3 hundred thousands. Compare the ten thousands, then the thousands: 300,999 has 0 of each.
7	D 437	"How many tens?" means divide by 10: $4,370 \div 10 = 437$. It is not just the 7 in the tens column.
8	A 405,260	Add 1 to the ten thousands digit. 9 ten thousands becomes 10, so carry 1 into the hundred thousands: 405,260.
9	E 408,000	Every digit moves two places to the left, including the 0 that was already in the tens column.
10	C 630,504	6 hundred thousands, 3 ten thousands, 0 thousands, 5 hundreds, 0 tens, 4 ones.
11	A 87,412	In 87,412 the 7 is in the thousands column. In all the others it is worth 70,000 or 700,000.
12	C 902	Dividing by 1000 moves every digit three places to the right. The three zeros at the end drop away.
13	E 54,320 · 54,302 · 54,230	The ten thousands and thousands match, so compare the hundreds, then the tens.
14	B 6,000	The second digit from the left of a 5-digit number is in the thousands column.
15	D 345	Work backwards: do the opposite, $34,500 \div 100 = 345$.
16	B 36	$3,600 \div 100 = 36$.
17	D 7	Any number from 47,000 to 47,999 has 7 in the thousands column.
18	A 5,200	$52 \times 1000 = 52,000$, then $52,000 \div 10 = 5,200$. Three places left, then one right, is two places left.
19	307,020	3 hundred thousands, 0 ten thousands, 7 thousands, 0 hundreds, 2 tens, 0 ones.
20	48,000	Every digit moves three places to the left: 48,000.
21	6,300	Every digit moves two places to the right: 6,300.

Q	Answer	How to get it
22	257	Divide by 100: $25,700 \div 100 = 257$.
23	299,500	There are no thousands to take from, so exchange from the hundred thousands: $300,500 - 1,000 = 299,500$.
24	406	Do the opposite: $406,000 \div 1000 = 406$.

Score: out of 24