

11+ Maths Practice Paper

Year 5 · Intermediate

Lesson 1.2: Advanced place value and decimal columns

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 2.375.

What is the value of the 5?

A 0.05

B 5

C 0.5

D 0.005

E 500

Answer: D The 5 is in the thousandths column, so it is worth 5 thousandths: 0.005.

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 6.248.

What is the value of the 4?

- A** 4 **B** 0.04 **C** 0.4 **D** 0.004 **E** 40

2

Which number is seven point zero three?

- A** 70.3 **B** 7.3 **C** 7.003 **D** 7.03 **E** 7.30

3

What is 2.6×10 ?

- A** 26 **B** 2.60 **C** 260 **D** 0.26 **E** 20.6

4

Which number is the same as nine hundredths?

- A** 0.009 **B** 0.9 **C** 0.09 **D** 9.1 **E** 90

5

What is $4.7 \div 10$?

- A** 0.407 **B** 47 **C** 0.047 **D** 4.07 **E** 0.47

6

Which is the largest?

- A** 0.5 **B** 0.45 **C** 0.405 **D** 0.054 **E** 0.49

7

Which number is equal to 3.4?

- A** 3.004 **B** 3.04 **C** 30.4 **D** 3.40 **E** 0.34

8

What is 0.38×100 ?

- A** 380 **B** 3.8 **C** 38 **D** 0.0038 **E** 3,800

9

Which is four and seven hundredths?

- A 4.70 B 4.7 C 4.007 D 40.7 E 4.07

10

Which list is in order, smallest first?

- A $0.3 \cdot 0.03 \cdot 0.33$
B $0.03 \cdot 0.3 \cdot 0.33$
C $0.33 \cdot 0.3 \cdot 0.03$
D $0.03 \cdot 0.33 \cdot 0.3$
E $0.3 \cdot 0.33 \cdot 0.03$

11

What is $56 \div 1000$?

- A 5.6 B 0.56 C 0.056 D 0.0056 E 56,000

12

How many hundredths are there in 0.36?

- A 0.36 B 6 C 3 D 360 E 36

13

Look at the number 1.111.

The first 1 is worth how many times as much as the second 1?

- A 10 B 1 C 100 D 1000 E 0.1

14

What is 0.072×1000 ?

- A 7.2 B 72 C 720 D 0.72 E 7,200

15

Which digit is in the thousandths column of 8.016?

- A 1 B 8 C 0 D 6 E 16

16

Which number is 0.1 more than 2.95?

A 2.96

B 3.05

C 2.105

D 3.95

E 2.1

17

Which number is between 0.7 and 0.8?

A 0.78

B 0.07

C 0.87

D 7.5

E 0.69

18

What is $3.5 \div 100 \times 10$?

A 0.0035

B 0.035

C 3.5

D 35

E 0.35

Part 2: Write your answer

19

What is 4.5×10 ?

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

20

What is 0.63×100 ?

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

21

How many thousandths make 1 whole?

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

22

$? \div 100 = 0.27$. What is the missing number?

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

23

How many tenths are there in 6.3?

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

24

What is 0.405×1000 ?

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	B 0.04	The 4 is in the hundredths column: 4 hundredths, which is 0.04.
2	D 7.03	Seven, point, then 0 tenths and 3 hundredths: 7.03.
3	A 26	Every digit moves one place to the left: 26.
4	C 0.09	The 9 goes in the hundredths column, with a 0 in the tenths: 0.09.
5	E 0.47	Every digit moves one place to the right: 0.47.
6	A 0.5	Fill the gaps: 0.500, 0.450, 0.405, 0.054, 0.490. 5 tenths is the most.
7	D 3.40	A zero on the very end of a decimal changes nothing.
8	C 38	Every digit moves two places to the left: 38.
9	E 4.07	The 7 goes in the hundredths column, so the tenths column needs a 0.
10	B $0.03 \cdot 0.3 \cdot 0.33$	Fill the gaps: 0.03, 0.30, 0.33.
11	C 0.056	Every digit moves three places to the right: 0.056.
12	E 36	3 tenths is 30 hundredths. Add the 6 hundredths: 36.
13	A 10	The first 1 is worth 1 and the second is worth 1 tenth. 1 is 10 tenths.
14	B 72	Every digit moves three places to the left: 72.
15	D 6	After the point: 0 tenths, 1 hundredth, 6 thousandths.
16	B 3.05	Add 1 tenth: 9 tenths becomes 10 tenths, which is 1 whole. So 2.95 becomes 3.05.
17	A 0.78	Fill the gaps: 0.70 and 0.80. 0.78 is between them.
18	E 0.35	$3.5 \div 100 = 0.035$, then $\times 10 = 0.35$. Two places right, then one left.
19	45	Every digit moves one place to the left: 45.
20	63	Every digit moves two places to the left: 63.
21	1,000	10 thousandths make 1 hundredth, and 100 hundredths make 1 whole: 1,000.
22	27	Do the opposite: $0.27 \times 100 = 27$.
23	63	6 wholes are 60 tenths. Add the 3 tenths: 63.
24	405	Every digit moves three places to the left: 405.

Score: out of 24