

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 2.2: Advanced long multiplication

Read this with your child:

1. This paper has **20 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: **25 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

Work out this multiplication.

$$\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$$

A 66

B 69

C 26

D 96

E 63

Answer: B Ones: $3 \times 3 = 9$. Tens: $2 \times 3 = 6$. So 69.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

Work out this multiplication.

$$\begin{array}{r} 32 \\ \times 3 \\ \hline \\ \hline \end{array}$$

A 96

B 95

C 35

D 69

E 86

2

Work out this multiplication.

$$\begin{array}{r} 43 \\ \times 2 \\ \hline \\ \hline \end{array}$$

A 84

B 45

C 86

D 68

E 96

3

Work out this multiplication.

$$\begin{array}{r} 46 \\ \times 3 \\ \hline \\ \hline \end{array}$$

A 128

B 138

C 158

D 1,218

E 49

4

Work out this multiplication.

$$\begin{array}{r} 213 \\ \times 3 \\ \hline \\ \hline \end{array}$$

A 216

B 693

C 539

D 639

E 649

5

Work out this multiplication.

$$\begin{array}{r} 157 \\ \times 4 \\ \hline \\ \hline \end{array}$$

A 408

B 1,288

C 618

D 638

E 628

6

Which of these is the same as 34×20 ?A $34 \times 2 + 10$ B $34 + 20$ C $34 \times 2 \times 10$ D 34×2 E $34 \times 20 \times 10$

7

What is 34×20 ?

A 680

B 68

C 6,800

D 540

E 608

8

Work out this multiplication.

$$\begin{array}{r} 268 \\ \times 5 \\ \hline \\ \hline \end{array}$$

A 1,000

B 1,040

C 1,330

D 1,440

E 1,340

9

Look at this long multiplication.

What number goes in the second row?

$$\begin{array}{r}
 24 \\
 \times 13 \\
 \hline
 72 \\
 + \boxed{?} \boxed{?} \boxed{?} \\
 \hline
 312
 \end{array}$$

A 204

B 240

C 230

D 312

E 340

10

Work out this multiplication.

$$\begin{array}{r}
 35 \\
 \times 24 \\
 \hline
 \\
 \hline
 \end{array}$$

A 210

B 740

C 850

D 840

E 940

11

Work out this multiplication.

$$\begin{array}{r}
 409 \\
 \times 6 \\
 \hline
 \\
 \hline
 \end{array}$$

A 2,404

B 2,704

C 2,444

D 2,464

E 2,454

12

Which is the best estimate for 48×21 ?

A 1,000

B 100

C 10,000

D 800

E 69

13

Work out this multiplication.

$$\begin{array}{r}
 1243 \\
 \times 4 \\
 \hline
 \\
 \hline
 \end{array}$$

A 4,862

B 4,982

C 5,972

D 4,972

E 4,872

14

Work out this multiplication.

$$\begin{array}{r}
 43 \\
 \times 22 \\
 \hline
 \\
 \hline
 \end{array}$$

A 172

B 936

C 946

D 846

E 956

15

Work out this multiplication.

$$\begin{array}{r}
 2315 \\
 \times 7 \\
 \hline
 \\
 \hline
 \end{array}$$

A 14,175

B 16,205

C 16,215

D 16,105

E 17,205

Part 2: Write your answer

16

Work out this multiplication.

$$\begin{array}{r} 54 \\ \times 6 \\ \hline \\ \hline \end{array}$$

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

17

Work out this multiplication.

$$\begin{array}{r} 327 \\ \times 8 \\ \hline \\ \hline \end{array}$$

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

18

Work out this multiplication.

$$\begin{array}{r} 43 \\ \times 12 \\ \hline \\ \hline \end{array}$$

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

19

What is 26×30 ?

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

20

Work out this multiplication.

$$\begin{array}{r} 52 \\ \times 34 \\ \hline \\ \hline \end{array}$$

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 ☐

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

16				
17				
18				
19				
20				

Answers

For a parent to mark with. One mark for each question: the paper is out of 20. Talk through any your child got wrong, using the explanation.

Q	Answer	How to get it
1	A 96	Ones: $2 \times 3 = 6$. Tens: $3 \times 3 = 9$. So 96.
2	C 86	Ones: $3 \times 2 = 6$. Tens: $4 \times 2 = 8$. So 86.
3	B 138	Ones: $6 \times 3 = 18$. Write 8, carry 1. Tens: $4 \times 3 = 12$, add the carried 1: 13. So 138.
4	D 639	Ones: $3 \times 3 = 9$. Tens: $1 \times 3 = 3$. Hundreds: $2 \times 3 = 6$. So 639.
5	E 628	Ones: $7 \times 4 = 28$. Write 8, carry 2. Tens: $5 \times 4 = 20$, + 2 = 22. Write 2, carry 2. Hundreds: $1 \times 4 = 4$, + 2 = 6. So 628.
6	C $34 \times 2 \times 10$	20 is 2×10 , so multiplying by 20 is the same as multiplying by 2, then by 10.
7	A 680	$34 \times 2 = 68$, then $\times 10 = 680$. The 0 holds the ones column.
8	E 1,340	Ones: $8 \times 5 = 40$. Write 0, carry 4. Tens: $6 \times 5 = 30$, + 4 = 34. Write 4, carry 3. Hundreds: $2 \times 5 = 10$, + 3 = 13. So 1,340.
9	B 240	The second row multiplies by 10 (the 1 ten in 13), so it starts with a zero placeholder: $24 \times 10 = 240$. Check: $72 + 240 = 312$.
10	D 840	Row 1: $35 \times 4 = 140$. Row 2: $35 \times 20 = 700$ (a 0 placeholder, then $35 \times 2 = 70$). Add: $140 + 700 = 840$.
11	E 2,454	Ones: $9 \times 6 = 54$. Write 4, carry 5. Tens: $0 \times 6 = 0$, + 5 = 5. Hundreds: $4 \times 6 = 24$. So 2,454.
12	A 1,000	48 is about 50 and 21 is about 20. $50 \times 20 = 1,000$. (The real answer is 1,008.)
13	D 4,972	Ones: $3 \times 4 = 12$, carry 1. Tens: $4 \times 4 = 16$, + 1 = 17, carry 1. Hundreds: $2 \times 4 = 8$, + 1 = 9. Thousands: $1 \times 4 = 4$. So 4,972.
14	C 946	Row 1: $43 \times 2 = 86$. Row 2: $43 \times 20 = 860$. Add: $86 + 860 = 946$.
15	B 16,205	Ones: $5 \times 7 = 35$, carry 3. Tens: $1 \times 7 = 7$, + 3 = 10, carry 1. Hundreds: $3 \times 7 = 21$, + 1 = 22, carry 2. Thousands: $2 \times 7 = 14$, + 2 = 16. So 16,205.
16	324	Ones: $4 \times 6 = 24$, carry 2. Tens: $5 \times 6 = 30$, + 2 = 32. So 324.
17	2,616	Ones: $7 \times 8 = 56$, carry 5. Tens: $2 \times 8 = 16$, + 5 = 21, carry 2. Hundreds: $3 \times 8 = 24$, + 2 = 26. So 2,616.
18	516	Row 1: $43 \times 2 = 86$. Row 2: $43 \times 10 = 430$. Add: $86 + 430 = 516$.
19	780	$26 \times 3 = 78$, then $\times 10 = 780$.
20	1,768	Row 1: $52 \times 4 = 208$. Row 2: $52 \times 30 = 1,560$. Add: $208 + 1,560 = 1,768$.

Score: out of 20