

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 2.4: Order of operations (BIDMAS/BODMAS)

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

What is $2 + 3 \times 4$?

A 20

B 14

C 24

D 9

E 10

Answer: B Multiply before adding: $3 \times 4 = 12$, then $2 + 12 = 14$.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

What is $5 + 2 \times 3$?

A 11

B 21

C 10

D 13

E 30

2

What is $10 - 2 \times 4$?

A 32

B 8

C 2

D 6

E 12

3

What is $3 \times 4 + 5$?

A 27

B 17

C 12

D 60

E 22

4

Which part of $12 - 6 \div 2$ do you work out first?

A $12 - 6$

B $12 \div 2$

C Either one

D $6 \div 2$

E $6 - 2$

5

What is $12 - 6 \div 2$?

A 3

B 6

C 4

D 15

E 9

6

What is $(4 + 6) \times 2$?

A 16

B 14

C 20

D 12

E 48

7

What is $20 - 8 + 2$?

A 14

B 10

C 30

D 12

E 6

8

What is $24 \div 4 \times 2$?

A 3

B 6

C 8

D 48

E 12

9

What is $7 \times (5 - 2)$?

A 33

B 21

C 9

D 35

E 14

10

Which calculation has the answer 20?

A $2 + 3 \times 4$ B $4 \times 6 - 2 \times 3$ C $10 - 5 \times 2$ D $(2 + 3) \times 4$ E $12 + 6 \div 2$

11

What is $30 - 4 \times 5 + 3$?

A 133

B 7

C 23

D 3

E 13

12

What is $18 \div (3 + 6)$?

A 2

B 12

C 9

D 6

E 27

13

What is $6 + 4 \times 3 - 2$?

A 28

B 12

C 18

D 16

E 24

14

Where do brackets go to make $3 + 5 \times 2 = 16$ true?A $3 + (5 \times 2)$

B No brackets are needed

C $(3 + 5) \times 2$ D $(3 + 5 \times 2)$ E $3 + (5) \times 2$

15

What is $40 \div 5 \times 2 + 3$?

A 7

B 19

C 16

D 11

E 23

Part 2: Write your answer

16

What is $8 + 6 \times 2$?

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

17

What is $50 - 4 \times 9$?

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

18

What is $(9 - 3) \times 5$?

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

19

What is $36 \div 4 + 5 \times 3$?

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

20

What is $100 - (20 + 13) \times 2$?

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 11	Multiply first: $2 \times 3 = 6$. Then $5 + 6 = 11$.
2	C 2	Multiply first: $2 \times 4 = 8$. Then $10 - 8 = 2$.
3	B 17	Multiply first: $3 \times 4 = 12$. Then $12 + 5 = 17$.
4	D $6 \div 2$	Division comes before subtraction, so work out $6 \div 2$ first.
5	E 9	Divide first: $6 \div 2 = 3$. Then $12 - 3 = 9$.
6	C 20	Brackets first: $4 + 6 = 10$. Then $10 \times 2 = 20$.
7	A 14	Subtraction and addition are equal partners, so go left to right: $20 - 8 = 12$, then $12 + 2 = 14$.
8	E 12	Division and multiplication are equal partners, so go left to right: $24 \div 4 = 6$, then $6 \times 2 = 12$.
9	B 21	Brackets first: $5 - 2 = 3$. Then $7 \times 3 = 21$.
10	D $(2 + 3) \times 4$	$(2 + 3) \times 4 = 5 \times 4 = 20$. The others make 14, 18, 0 and 15.
11	E 13	Multiply first: $4 \times 5 = 20$. Then left to right: $30 - 20 = 10$, and $10 + 3 = 13$.
12	A 2	Brackets first: $3 + 6 = 9$. Then $18 \div 9 = 2$.
13	D 16	Multiply first: $4 \times 3 = 12$. Then left to right: $6 + 12 = 18$, and $18 - 2 = 16$.
14	C $(3 + 5) \times 2$	$(3 + 5) \times 2 = 8 \times 2 = 16$. All the others still make $3 + 10 = 13$.
15	B 19	Left to right for $\div$ and $\times$: $40 \div 5 = 8$, then $8 \times 2 = 16$. Then $16 + 3 = 19$.
16	20	Multiply first: $6 \times 2 = 12$. Then $8 + 12 = 20$.
17	14	Multiply first: $4 \times 9 = 36$. Then $50 - 36 = 14$.
18	30	Brackets first: $9 - 3 = 6$. Then $6 \times 5 = 30$.
19	24	Divide and multiply first: $36 \div 4 = 9$ and $5 \times 3 = 15$. Then $9 + 15 = 24$.
20	34	Brackets first: $20 + 13 = 33$. Then multiply: $33 \times 2 = 66$. Then $100 - 66 = 34$.

Score: out of 20