

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 2.5: Word problems and multi-step logic

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

A class has 14 girls and 13 boys.

How many children are in the class?

A 1

B 27

C 26

D 28

E 182

Answer: B Putting the girls and boys together: $14 + 13 = 27$.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

There are 45 people on a bus. 18 people get off.

How many people are still on the bus?

A 27

B 63

C 37

D 33

E 23

2

A box holds 6 eggs.

How many eggs are there in 8 boxes?

A 14

B 2

C 48

D 42

E 56

3

32 sweets are shared equally between 4 children.

Which calculation tells you how many sweets each child gets?

A $32 + 4$

B $32 \div 4$

C 32×4

D $32 - 4$

E $4 \div 32$

4

Mia has 9 more stickers than Leo. Mia has 25 stickers.

How many stickers does Leo have?

A 34

B 9

C 25

D 16

E 15

5

Pencils cost 8p each.

How much do 7 pencils cost?

A 15p

B 1p

C 49p

D 64p

E 56p

6

Tom had 50 marbles. He lost 12 marbles, then won 7 more.

How many marbles does Tom have now?

A 31

B 55

C 45

D 69

E 43

7

A book has 96 pages. Sara reads 8 pages every day.

How many days does it take her to read the whole book?

- A** 12 **B** 88 **C** 104 **D** 768 **E** 11
-

8

A cake costs £4 and a drink costs £2.

How much do 3 cakes and 1 drink cost?

- A** £18 **B** £9 **C** £6 **D** £12 **E** £14
-

9

I think of a number and add 15. The answer is 42.

What was my number?

- A** 57 **B** 27 **C** 37 **D** 26 **E** 3
-

10

There are 5 rows of 6 chairs. 7 chairs are empty.

How many chairs have someone sitting on them?

- A** 37 **B** 30 **C** 18 **D** 23 **E** 24
-

11

Jo has £20. She buys 3 books that cost £4 each.

How much money does she have left?

- A** £16 **B** £12 **C** £17 **D** £4 **E** £8
-

12

Ali has 24 stamps. Ben has twice as many stamps as Ali.

How many stamps do they have altogether?

- A** 72 **B** 48 **C** 26 **D** 50 **E** 96
-

13

I think of a number. I multiply it by 4, then add 3. The answer is 31.

What was my number?

- A** 136 **B** 8 **C** 34 **D** 7 **E** 9
-

14

Sam is 8 years old. His mum is 4 times as old as Sam.

How old will his mum be in 5 years' time?

A 32

B 17

C 37

D 45

E 40

15

Packs of stickers cost £3 each. Lily buys 4 packs and Max buys 6 packs.

How much more does Max spend than Lily?

A £30

B £6

C £2

D £18

E £12

Part 2: Write your answer

16

A shop has 125 apples. It sells 48 of them.

How many apples are left?

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

17

There are 7 tables with 4 children at each table.

How many children are there?

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

18

Ruby buys a comic for £3 and a game for £8. She pays with a £20 note.

How much change does she get, in pounds?

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

19

I think of a number. I subtract 6, then multiply by 2. The answer is 18.

What was my number?

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

20

A teacher has 60 pencils. She gives 4 pencils to each of the 12 children in her group.

How many pencils does she have left?

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 27	People are taken away: $45 - 18 = 27$.
2	C 48	8 equal groups of 6: $8 \times 6 = 48$.
3	B $32 \div 4$	Sharing equally means dividing: $32 \div 4 = 8$ sweets each.
4	D 16	Mia has more, so Leo has fewer. Take away: $25 - 9 = 16$. (Adding to get 34 is the trap.)
5	E 56p	7 equal amounts of 8p: $7 \times 8 = 56$ p.
6	C 45	Two steps. After losing 12: $50 - 12 = 38$. After winning 7: $38 + 7 = 45$.
7	A 12	How many groups of 8 make 96? $96 \div 8 = 12$ days.
8	E £14	The cakes: $3 \times £4 = £12$. Add the drink: $£12 + £2 = £14$.
9	B 27	Undo the adding by taking away: $42 - 15 = 27$. Check: $27 + 15 = 42$.
10	D 23	Chairs: $5 \times 6 = 30$. Take away the empty ones: $30 - 7 = 23$.
11	E £8	The books cost $3 \times £4 = £12$. Then $£20 - £12 = £8$.
12	A 72	Ben has $2 \times 24 = 48$. Together: $24 + 48 = 72$. (48 is only Ben's stamps.)
13	D 7	Undo the last step first: $31 - 3 = 28$. Then undo $\times 4$: $28 \div 4 = 7$. Check: $7 \times 4 + 3 = 31$.
14	C 37	Mum is $4 \times 8 = 32$ now. In 5 years she will be $32 + 5 = 37$.
15	B £6	Lily spends $4 \times £3 = £12$. Max spends $6 \times £3 = £18$. The difference is $£18 - £12 = £6$.
16	77	Take away the apples sold: $125 - 48 = 77$.
17	28	7 equal groups of 4: $7 \times 4 = 28$.
18	9	The total is $£3 + £8 = £11$. Change: $£20 - £11 = £9$.
19	15	Undo $\times 2$ first: $18 \div 2 = 9$. Then undo $- 6$: $9 + 6 = 15$. Check: $15 - 6 = 9$, and $9 \times 2 = 18$.
20	12	She gives away $12 \times 4 = 48$ pencils. Then $60 - 48 = 12$ are left.

Score: out of 20