

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 2.3: Short and long division

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 division.

$$4 \overline{) 84}$$

A 12

B 21

C 20

D 22

E 80

Answer: B 4 into 8 is 2. 4 into 4 is 1. So 21.

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 division.

$$3 \overline{) 69}$$

A 23

B 22

C 32

D 66

E 21

2

Work out this division.

$$4 \overline{) 96}$$

A 21

B 22

C 24

D 34

E 384

3

Work out this division.

$$5 \overline{) 85}$$

A 16

B 17

C 15

D 27

E 80

4

Work out this division.

$$5 \overline{) 47}$$

A 8 r 7

B 9 r 1

C 9

D 9 r 2

E 10 r 2

5

Work out this division.

$$6 \overline{) 438}$$

A 63

B 72

C 83

D 703

E 73

6

Which calculation checks that $132 \div 4 = 33$?A 132×4 B $33 + 4$ C 33×4 D $33 \div 4$ E $132 - 33$

7

Work out this division.

$$4 \overline{) 824}$$

A 206

B 26

C 216

D 260

E 205

8

29 children need a lift. Each car can take 4 children.

How many cars are needed?

A 7

B 6

C 9

D 7 r 1

E 8

9

Work out this division.

$$5 \overline{) 355}$$

A 61

B 71

C 70

D 701

E 75

10

A box holds 6 eggs. Sam has 45 eggs.

How many boxes can Sam fill?

A 8

B 7 r 3

C 6

D 7

E 3

11

Work out this division.

$$7 \overline{) 728}$$

A 14

B 140

C 114

D 105

E 104

12

A number is divided by 5. The answer is 12 remainder 3.

What is the number?

A 63

B 60

C 57

D 65

E 15

13

Work out this division.

$$8 \overline{) 917}$$

A 114 r 3

B 113 r 13

C 115 r 5

D 114 r 5

E 104 r 5

14

Work out this division.

$$3 \overline{) 1236}$$

A 402

B 421

C 412

D 411

E 3,708

15

Work out this division.

$$7 \overline{) 2835}$$

A 45

B 405

C 415

D 450

E 4,005

Part 2: Write your answer

16

Work out this division.

$$3 \overline{) 72}$$

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

17

Work out this division.

$$6 \overline{) 156}$$

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

18

Work out this division.

$$5 \overline{) 945}$$

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

19

Work out this division.

$$3 \overline{) 612}$$

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

20

A minibus holds 9 people. 70 people need a lift.

How many minibuses are needed?

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 23	3 into 6 is 2. 3 into 9 is 3. So 23.
2	C 24	4 into 9 is 2, remainder 1. Carry the 1 to make 16. 4 into 16 is 4. So 24.
3	B 17	5 into 8 is 1, remainder 3. Carry the 3 to make 35. 5 into 35 is 7. So 17.
4	D 9 r 2	$5 \times 9 = 45$, and $47 - 45 = 2$. So 9 r 2. (8 r 7 is wrong: a remainder must be smaller than 5.)
5	E 73	6 does not go into 4, so carry 4 to make 43. 6 into 43 is 7, remainder 1. Carry 1 to make 18. 6 into 18 is 3. So 73.
6	C 33×4	Multiplying undoes dividing. 33×4 should give 132, and it does.
7	A 206	4 into 8 is 2. 4 into 2 does not go: write 0 and carry the 2 to make 24. 4 into 24 is 6. So 206.
8	E 8	$29 \div 4 = 7 \text{ r } 1$. Seven cars leave 1 child behind, so round up: 8 cars.
9	B 71	5 does not go into 3, so carry 3 to make 35. 5 into 35 is 7. 5 into 5 is 1. So 71.
10	D 7	$45 \div 6 = 7 \text{ r } 3$. Only full boxes count, so round down: 7 boxes, with 3 eggs over.
11	E 104	7 into 7 is 1. 7 into 2 does not go: write 0 and carry 2 to make 28. 7 into 28 is 4. So 104.
12	A 63	Multiply back and add the remainder: $12 \times 5 = 60$, and $60 + 3 = 63$.
13	D 114 r 5	8 into 9 is 1 r 1. Carry 1: 11. 8 into 11 is 1 r 3. Carry 3: 37. 8 into 37 is 4 r 5. So 114 r 5. Check: $114 \times 8 + 5 = 917$.
14	C 412	3 does not go into 1, so carry 1 to make 12. 3 into 12 is 4. 3 into 3 is 1. 3 into 6 is 2. So 412.
15	B 405	Carry the 2 to make 28: 4. 7 into 3 does not go: write 0 and carry 3 to make 35: 5. So 405.
16	24	3 into 7 is 2, remainder 1. Carry 1 to make 12. 3 into 12 is 4. So 24.
17	26	6 does not go into 1, so carry 1 to make 15. 6 into 15 is 2, remainder 3. Carry 3 to make 36. 6 into 36 is 6. So 26.
18	189	5 into 9 is 1 r 4. Carry 4: 44. 5 into 44 is 8 r 4. Carry 4: 45. 5 into 45 is 9. So 189.
19	204	3 into 6 is 2. 3 into 1 does not go: write 0 and carry 1 to make 12. 3 into 12 is 4. So 204.
20	8	$70 \div 9 = 7 \text{ r } 7$. Seven minibuses leave 7 people behind, so round up: 8.

Score: out of 20