

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 3.5: Fractions of amounts

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 $\frac{1}{2}$ of 14?

A 28

B 7

C 12

D 16

E 2

Answer: B Divide by the bottom number: $14 \div 2 = 7$.

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 $\frac{1}{3}$ of 12?

A 36

B 9

C 15

D 3

E 4

2

What is $\frac{1}{5}$ of 20?

A 4

B 100

C 25

D 15

E 5

3

What is $\frac{1}{4}$ of 28?

A 112

B 24

C 7

D 32

E 4

4

There are 18 children in a group. $\frac{1}{6}$ of them walk to school.

How many children walk to school?

A 12

B 3

C 6

D 108

E 24

5

What is $\frac{2}{3}$ of 15?

A 5

B 30

C 22

D 10

E 13

6

How many minutes are in $\frac{1}{4}$ of an hour?

A 15 minutes

B 25 minutes

C 4 minutes

D 30 minutes

E 20 minutes

7

What is $\frac{3}{4}$ of 20?

A 5

B 80

C 17

D 12

E 15

8

A pizza costs £12. Tom pays $\frac{1}{3}$ of the cost.

How much does Tom pay?

A £36

B £3

C £4

D £9

E £8

9

What is $\frac{1}{10}$ of 50?

A 500

B 5

C 10

D 40

E 60

10

Mia has 24 stickers. She gives $\frac{1}{4}$ of them away.

How many stickers does she have left?

A 6

B 4

C 20

D 18

E 28

11

What is $\frac{2}{5}$ of 25?

A 10

B 5

C 50

D 15

E 23

12

How many minutes are in $\frac{3}{4}$ of an hour?

A 30 minutes

B 75 minutes

C 45 minutes

D 15 minutes

E 40 minutes

13

$\frac{1}{2}$ of a number is 9.

What is the number?

A 3

B 9

C 11

D 27

E 18

14

What is $\frac{3}{8}$ of 32?

A 4

B 12

C 24

D 96

E 20

15

A ribbon is 30 cm long. $\frac{2}{3}$ of it is used.

How much ribbon is left?

A 20 cm

B 15 cm

C 5 cm

D 10 cm

E 60 cm

16

What is $\frac{1}{2}$ of 18 added to $\frac{1}{3}$ of 30?

A 19

B 20

C 48

D 9

E 10

Part 2: Write your answer

17

What is $\frac{1}{6}$ of 36?

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

18

What is $\frac{3}{5}$ of 40?

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

19

How many minutes are in $\frac{1}{3}$ of an hour?

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

20

$\frac{1}{4}$ of a number is 8.

What is the number?

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 ☐

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

17		19	
18		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	E 4	Divide by the bottom number: $12 \div 3 = 4$.
2	A 4	$20 \div 5 = 4$.
3	C 7	$28 \div 4 = 7$.
4	B 3	$18 \div 6 = 3$ children.
5	D 10	One third: $15 \div 3 = 5$. Two thirds: $5 \times 2 = 10$.
6	A 15 minutes	An hour is 60 minutes. $60 \div 4 = 15$ minutes.
7	E 15	One quarter: $20 \div 4 = 5$. Three quarters: $5 \times 3 = 15$.
8	C £4	$£12 \div 3 = £4$.
9	B 5	$50 \div 10 = 5$.
10	D 18	$\frac{1}{4}$ of 24 = 6 are given away. $24 - 6 = 18$ are left.
11	A 10	One fifth: $25 \div 5 = 5$. Two fifths: $5 \times 2 = 10$.
12	C 45 minutes	$60 \div 4 = 15$, and $15 \times 3 = 45$ minutes. (75 uses 100 minutes, but an hour is 60.)
13	E 18	Half is 9, so the whole is 2 halves: $9 \times 2 = 18$.
14	B 12	One eighth: $32 \div 8 = 4$. Three eighths: $4 \times 3 = 12$.
15	D 10 cm	$\frac{2}{3}$ of 30 = 20 cm is used. $30 - 20 = 10$ cm is left.
16	A 19	$\frac{1}{2}$ of 18 = 9 and $\frac{1}{3}$ of 30 = 10. $9 + 10 = 19$.
17	6	$36 \div 6 = 6$.
18	24	$40 \div 5 = 8$, and $8 \times 3 = 24$.
19	20	$60 \div 3 = 20$ minutes.
20	32	One quarter is 8, so four quarters are $8 \times 4 = 32$.

Score: out of 20