

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 3.7: Percentage 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 50% of 18?

A 36

B 9

C 8

D 13

E 1.8

Answer: B 50% is half: $18 \div 2 = 9$.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

A hundred square has 100 squares. 40 of them are shaded.

What percentage of the square is shaded?

- A** 4% **B** 40% **C** 60% **D** 14% **E** 400%

2

What is 50% of 30?

- A** 60 **B** 25 **C** 3 **D** 15 **E** 20

3

What is 10% of 70?

- A** 7 **B** 60 **C** 0.7 **D** 17 **E** 700

4

What is 25% of 20?

- A** 4 **B** 10 **C** 80 **D** 15 **E** 5

5

A hundred square has 63 of its 100 squares shaded.

What percentage is not shaded?

- A** 63% **B** 47% **C** 37% **D** 100% **E** 27%

6

Which of these is the same as 50%?

- A** Half **B** A quarter **C** A tenth **D** A fifth **E** A third

7

What is 10% of 200?

- A** 190 **B** 20 **C** 2 **D** 100 **E** 210

8

What is 50% of £14?

- A** £28 **B** £4 **C** £12 **D** £70 **E** £7

9

What is 25% of 40?

A 20

B 15

C 36

D 10

E 160

10

What is 20% of 50?

A 5

B 30

C 10

D 25

E 48

11

What is 10% of £90?

A £80

B £9

C £45

D £19

E £900

12

What is 30% of 60?

A 18

B 6

C 30

D 20

E 57

13

What is 75% of 40?

A 10

B 20

C 35

D 25

E 30

14

There are 40 sweets in a jar. 25% of them are red.

How many sweets are not red?

A 10

B 15

C 30

D 20

E 35

15

Which of these is the largest?

A 50% of 20

B 10% of 120

C 20% of 40

D 25% of 60

E 75% of 16

Part 2: Write your answer

16

What is 50% of 64?

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

17

What is 10% of 350?

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

18

What is 25% of 48?

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

19

What is 40% of 90?

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

20

A school has 200 pupils. 75% of them have school dinners.

How many pupils have school dinners?

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

Answer sheet

11+ Maths Practice Paper · Year 4 · Lesson 3.7: Percentage of amounts

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	B 40%	40 out of 100 is 40%.
2	D 15	50% is half: $30 \div 2 = 15$.
3	A 7	10% means divide by 10: $70 \div 10 = 7$.
4	E 5	25% is a quarter: $20 \div 4 = 5$.
5	C 37%	The whole square is 100%. $100\% - 63\% = 37\%$.
6	A Half	50% is 50 out of 100, which is half.
7	B 20	$200 \div 10 = 20$.
8	E £7	Half of £14 is £7.
9	D 10	25% is a quarter: $40 \div 4 = 10$.
10	C 10	10% of 50 is 5, so 20% is $5 \times 2 = 10$.
11	B £9	$£90 \div 10 = £9$.
12	A 18	10% of 60 is 6, so 30% is $6 \times 3 = 18$.
13	E 30	25% of 40 is 10, so 75% is $10 \times 3 = 30$.
14	C 30	25% of 40 = 10 are red. $40 - 10 = 30$ are not red.
15	D 25% of 60	They are 15, 10, 12, 8 and 12. 25% of 60 = 15 is the largest.
16	32	Half of 64 is 32.
17	35	$350 \div 10 = 35$.
18	12	$48 \div 4 = 12$.
19	36	10% of 90 is 9, so 40% is $9 \times 4 = 36$.
20	150	25% of 200 is 50, so 75% is $50 \times 3 = 150$.

Score: out of 20