

11+ Maths Practice Paper

Year 5 · Intermediate

Lesson 3.7: Percentage of amounts

Read this with your child:

1. This paper has **24 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: **30 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 5% of 60?

A 12

B 3

C 6

D 55

E 30

Answer: B 10% of 60 is 6, and 5% is half of that: 3.

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 10% of 450?

A 440

B 4.5

C 45

D 90

E 405

2

What is 5% of 80?

A 4

B 16

C 8

D 75

E 40

3

What is 1% of 300?

A 30

B 299

C 0.3

D 13

E 3

4

What is 20% of 35?

A 3.5

B 7

C 15

D 17.5

E 70

5

What is 15% of 60?

A 6

B 4

C 12

D 9

E 45

6

What is 30% of £50?

A £15

B £5

C £20

D £35

E £150

7

What is 1% of 250?

A 25

B 0.25

C 2.5

D 249

E 2.05

8

What is 35% of 80?

A 12

B 24

C 45

D 32

E 28

9

What is 10% of £7?

- A £0.07 B £0.70 C £6.90 D £1.40 E £3.50
-

10

What is 5% of £30?

- A £6.00 B £3.00 C £1.05 D £1.50 E £15.00
-

11

There are 60 children at a club. 45% of them are girls.

How many of the children are boys?

- A 33 B 27 C 15 D 45 E 30
-

12

What is 12% of 200?

- A 22 B 24 C 20 D 188 E 2.4
-

13

What is 15% of £18?

- A £2.07 B £1.80 C £3.60 D £27.00 E £2.70
-

14

What is 60% of 45?

- A 4.5 B 22.5 C 27 D 18 E 39
-

15

Which of these is the largest?

- A 10% of 90 B 5% of 200 C 25% of 32 D 20% of 55 E 1% of 700
-

16

A jacket costs £40. Sam has saved 35% of the cost.

How much has Sam saved?

- A £14 B £12 C £6 D £26 E £4
-

17

What is 21% of 300?

A 60

B 33

C 279

D 66

E 63

18

A tank holds 500 litres. It is 85% full.

How many more litres are needed to fill it?

A 425

B 85

C 75

D 50

E 15

Part 2: Write your answer

19

What is 5% of 140?

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

20

What is 15% of 80?

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

21

What is 1% of 2500?

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

22

What is 70% of 90?

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

23

What is 45% of 60?

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

24

A farmer has 400 sheep. 12% of them are black.

How many sheep are not black?

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 ☐
17	A ☐	B ☐	C ☐	D ☐	E ☐
18	A ☐	B ☐	C ☐	D ☐	E ☐

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

19	
20	
21	
22	
23	
24	

Answers

For a parent to mark with. One mark for each question: the paper is out of 24. Talk through any your child got wrong, using the explanation.

Q	Answer	How to get it
1	C 45	$450 \div 10 = 45$.
2	A 4	10% of 80 is 8, and 5% is half of that: 4.
3	E 3	1% means divide by 100: $300 \div 100 = 3$.
4	B 7	10% of 35 is 3.5, so 20% is $3.5 \times 2 = 7$.
5	D 9	10% of 60 is 6 and 5% is 3, so 15% is $6 + 3 = 9$.
6	A £15	10% of £50 is £5, so 30% is $£5 \times 3 = £15$.
7	C 2.5	$250 \div 100 = 2.5$.
8	E 28	$35\% = 10\% + 10\% + 10\% + 5\%$. $8 + 8 + 8 + 4 = 28$.
9	B £0.70	$£7 \div 10 = £0.70$, which is 70p.
10	D £1.50	10% of £30 is £3, and 5% is half of that: £1.50.
11	A 33	45% of 60 = 27 are girls. $60 - 27 = 33$ are boys.
12	B 24	$12\% = 10\% + 1\% + 1\%$. $20 + 2 + 2 = 24$.
13	E £2.70	10% is £1.80 and 5% is £0.90. $£1.80 + £0.90 = £2.70$.
14	C 27	50% of 45 is 22.5 and 10% is 4.5. $22.5 + 4.5 = 27$.
15	D 20% of 55	They are 11, 9, 10, 8 and 7. 20% of 55 = 11 is the largest.
16	A £14	10% of £40 is £4, so 30% is £12. 5% is £2. $£12 + £2 = £14$.
17	E 63	$21\% = 20\% + 1\%$. $60 + 3 = 63$.
18	C 75	It is 85% full, so 15% is empty. 10% of 500 is 50 and 5% is 25: $50 + 25 = 75$ litres.
19	7	10% of 140 is 14, and 5% is half of that: 7.
20	12	10% of 80 is 8 and 5% is 4. $8 + 4 = 12$.
21	25	$2500 \div 100 = 25$.
22	63	10% of 90 is 9, so 70% is $9 \times 7 = 63$.
23	27	10% of 60 is 6, so 40% is 24. 5% is 3. $24 + 3 = 27$.
24	352	$12\% \text{ of } 400 = 40 + 4 + 4 = 48$ are black. $400 - 48 = 352$ are not.

Score: out of 24