

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 3.9: FDP conversions

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

Write 0.25 as a percentage.

A 2.5%

B 25%

C 250%

D 0.25%

E 52%

Answer: B $0.25 \times 100 = 25$, so $0.25 = 25\%$.

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 41 of its 100 squares shaded.

Which decimal shows the shaded part?

- A 4.1 B 0.041 C 0.41 D 41 E 0.14

2

Write 0.6 as a percentage.

- A 6% B 0.6% C 600% D 16% E 60%

3

Write 37% as a decimal.

- A 3.7 B 0.37 C 0.037 D 37 E 0.73

4

Which fraction is the same as 50%?

- A $\frac{1}{2}$ B $\frac{1}{5}$ C $\frac{1}{50}$ D $\frac{1}{4}$ E $\frac{5}{100}$

5

Write $\frac{1}{4}$ as a percentage.

- A 14% B 4% C 40% D 25% E 75%

6

Write $\frac{3}{10}$ as a decimal.

- A 3.1 B 0.3 C 0.03 D 0.13 E 0.7

7

Which of these is the same as $\frac{3}{4}$?

- A 34% B 0.34 C 43% D 0.43 E 75%

8

Write 9% as a decimal.

- A 0.9 B 0.009 C 0.09 D 0.19 E 90

9

Sam gets 7 out of 10 in a spelling test.

What percentage is that?

A 70%

B 7%

C 17%

D 0.7%

E 30%

10

Write $\frac{2}{5}$ as a percentage.

A 25%

B 2.5%

C 20%

D 40%

E 52%

11

Which of these is NOT the same as one half?

A 0.5

B 50%

C 0.05

D $\frac{5}{10}$

E $\frac{50}{100}$

12

Which of these is the largest?

A 0.3

B 25%

C 0.45

D 40%

E $\frac{1}{2}$

13

Write 0.07 as a percentage.

A 70%

B 7%

C 0.7%

D 0.07%

E 17%

14

Which fraction is the same as 0.2?

A $\frac{1}{2}$

B $\frac{2}{100}$

C $\frac{1}{20}$

D $\frac{1}{5}$

E $\frac{2}{5}$

15

Which list is in order, smallest first?

- A** 0.3, 35%, $\frac{2}{5}$, 0.45
- B** 0.45, $\frac{2}{5}$, 35%, 0.3
- C** 35%, 0.3, $\frac{2}{5}$, 0.45
- D** 0.3, $\frac{2}{5}$, 35%, 0.45
- E** 0.3, 35%, 0.45, $\frac{2}{5}$

Part 2: Write your answer

16

Write 0.83 as a percentage.*Write your answer in the boxes on the answer sheet, one digit in each box.*

17

Write $\frac{3}{5}$ as a percentage.*Write your answer in the boxes on the answer sheet, one digit in each box.*

18

There are 100 sweets in a jar. 42 of them are red.

What percentage of the sweets are red?*Write your answer in the boxes on the answer sheet, one digit in each box.*

19

Write $\frac{9}{10}$ as a percentage.*Write your answer in the boxes on the answer sheet, one digit in each box.*

20

What is the missing number?

$$\frac{1}{4} = \frac{\boxed{?}}{100}$$

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	C 0.41	41 out of 100 is 41 hundredths: 0.41.
2	E 60%	$0.6 \times 100 = 60$, so $0.6 = 60\%$.
3	B 0.37	$37 \div 100 = 0.37$.
4	A $\frac{1}{2}$	50% is 50 out of 100, which is a half.
5	D 25%	$\frac{1}{4} = \frac{25}{100} = 25\%$.
6	B 0.3	$\frac{3}{10}$ is 3 tenths: 0.3.
7	E 75%	$\frac{3}{4} = \frac{75}{100} = 75\%$.
8	C 0.09	$9 \div 100 = 0.09$. The 0 in the tenths column matters.
9	A 70%	$\frac{7}{10} = \frac{70}{100} = 70\%$.
10	D 40%	$\frac{1}{5} = 20\%$, so $\frac{2}{5} = 40\%$.
11	C 0.05	0.05 is 5 hundredths, which is 5%. All the others are a half.
12	E $\frac{1}{2}$	$\frac{1}{2} = 50\%$. The others are 30%, 25%, 45% and 40%.
13	B 7%	$0.07 \times 100 = 7$, so $0.07 = 7\%$.
14	D $\frac{1}{5}$	$0.2 = \frac{2}{10} = \frac{1}{5}$.
15	A 0.3, 35%, $\frac{2}{5}$, 0.45	As percentages they are 30%, 35%, 40% and 45%.
16	83	$0.83 \times 100 = 83$, so the answer is 83%.
17	60	$\frac{1}{5} = 20\%$, so $\frac{3}{5} = 60\%$.
18	42	42 out of 100 is 42%.
19	90	$\frac{9}{10} = \frac{90}{100} = 90\%$.
20	25	$4 \times 25 = 100$, so $1 \times 25 = 25$: $\frac{1}{4} = \frac{25}{100}$.

Score: out of 20