

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 3.6: Decimal operations

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 $2.3 + 1.4$?

$$\begin{array}{r} 2.3 \\ + 1.4 \\ \hline \end{array}$$

A 1.9

B 3.4

C 37

D 3.7

E 0.37

Answer: D Line up the points and add: $3 + 4 = 7$ tenths, $2 + 1 = 3$ ones. 3.7.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

Work out this addition.

$$\begin{array}{r} 3.2 \\ + 4.5 \\ \hline \\ \hline \end{array}$$

A 7.5

B 77

C 7.7

D 8.7

E 0.77

2

Work out this subtraction.

$$\begin{array}{r} 5.8 \\ - 2.3 \\ \hline \\ \hline \end{array}$$

A 3.1

B 3.5

C 35

D 8.1

E 2.5

3

Work out this addition.

$$\begin{array}{r} 4.6 \\ + 2.7 \\ \hline \\ \hline \end{array}$$

A 6.13

B 7.3

C 6.3

D 7.13

E 73

4

What is $1 - 0.4$?

A 0.6

B 0.4

C 1.4

D 0.06

E 6

5

Work out this subtraction.

$$\begin{array}{r} 6.2 \\ - 3.5 \\ \hline \\ \hline \end{array}$$

A 3.3

B 2.7

C 2.3

D 3.7

E 27

6

Mia buys a comic for £2.45 and a drink for £1.30.

How much does she spend altogether?

$$\begin{array}{r} 2.45 \\ + 1.30 \\ \hline \\ \hline \end{array}$$

A £3.75

B £3.57

C £2.75

D £3.85

E £37.50

7

What is 0.3×2 ?

A 0.32

B 6

C 0.06

D 0.5

E 0.6

8

Work out this addition.

$$\begin{array}{r} 3.5 \\ + 1.25 \\ \hline \\ \hline \end{array}$$

A 4.6

B 1.6

C 4.57

D 4.75

E 47.5

9

What is 0.4×3 ?

A 0.12

B 12

C 1.2

D 0.7

E 0.43

10

A ribbon is 4.5 metres long. 1.8 metres is cut off.

How many metres are left?

$$\begin{array}{r} 4.5 \\ - 1.8 \\ \hline \end{array}$$

A 3.3

B 2.3

C 6.3

D 3.7

E 2.7

11

What is $0.8 \div 2$?

A 4

B 0.4

C 0.04

D 1.6

E 0.6

12

Work out this addition.

$$\begin{array}{r} 7.25 \\ + 1.6 \\ \hline \end{array}$$

A 8.85

B 7.41

C 8.31

D 8.58

E 7.85

13

Which is the same as $0.6 + 0.6 + 0.6$?

A 0.18

B 1.6

C 18

D 0.9

E 1.8

14

Sam buys a book for £3.60. He pays with a £5 note.

How much change does he get?

$$\begin{array}{r} 5.00 \\ - 3.60 \\ \hline \end{array}$$

A £1.40

B £2.60

C £2.40

D £1.60

E £8.60

15

What is $2.5 + 2.5 + 2.5 + 2.5$?

A 9

B 1

C 10

D 100

E 8

16

What is the missing digit?

$$\begin{array}{r}
 3 . \boxed{?} \\
 + 2 . 6 \\
 \hline
 6 . 4
 \end{array}$$

A 2

B 6

C 7

D 8

E 9

Part 2: Write your answer

17

What is $2.4 + 3.6$?

$$\begin{array}{r}
 2 . 4 \\
 + 3 . 6 \\
 \hline
 \\
 \hline
 \end{array}$$

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

18

What is 0.5×8 ?

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

19

A bottle holds 1.5 litres.

How many litres do 4 bottles hold?

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

20

What is the missing digit?

$$\begin{array}{r} 7.4 \\ + 2.\boxed{?} \\ \hline 10 \end{array}$$

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

Answer sheet

11+ Maths Practice Paper · Year 4 · Lesson 3.6: Decimal operations

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	C 7.7	Tenths: $2 + 5 = 7$. Ones: $3 + 4 = 7$. So 7.7.
2	B 3.5	Tenths: $8 - 3 = 5$. Ones: $5 - 2 = 3$. So 3.5.
3	B 7.3	Tenths: $6 + 7 = 13$. Write 3, carry 1 into the ones. Ones: $4 + 2 + 1 = 7$. So 7.3.
4	A 0.6	Write 1 as 1.0. 10 tenths take away 4 tenths leaves 6 tenths: 0.6.
5	B 2.7	Tenths: $2 - 5$ is too small, so exchange 1 one: $12 - 5 = 7$. Ones: $5 - 3 = 2$. So 2.7.
6	A £3.75	Line up the points: $£2.45 + £1.30 = £3.75$.
7	E 0.6	3 tenths $\times 2 = 6$ tenths: 0.6.
8	D 4.75	Line up the points and write 3.5 as 3.50. $3.50 + 1.25 = 4.75$.
9	C 1.2	$4 \times 3 = 12$. The question has 1 decimal place, so the answer is 1.2.
10	E 2.7	Exchange 1 one: 15 tenths $- 8$ tenths = 7 tenths. Then $3 - 1 = 2$. So 2.7 metres.
11	B 0.4	8 tenths shared into 2 equal groups is 4 tenths: 0.4.
12	A 8.85	Line up the points: $7.25 + 1.60$. Hundredths 5, tenths $2 + 6 = 8$, ones $7 + 1 = 8$. So 8.85.
13	E 1.8	Three lots of 0.6 is 0.6×3 . $6 \times 3 = 18$ tenths, which is 1.8.
14	A £1.40	Write £5 as £5.00 and subtract: $£5.00 - £3.60 = £1.40$.
15	C 10	Two lots of 2.5 make 5, so four lots make 10.
16	D 8	Tenths: $? + 6$ ends in 4, so $? + 6 = 14$ and ? is 8. Check: $3.8 + 2.6 = 6.4$.
17	6	$4 + 6 = 10$ tenths, which is 1 whole. $2 + 3 + 1 = 6$. So 6.0, which is 6.
18	4	$5 \times 8 = 40$ tenths, which is 4.0: 4.
19	6	1.5×4 : $15 \times 4 = 60$, and 1 decimal place gives 6.0, which is 6 litres.
20	6	Tenths: $4 + ?$ must end in 0, so ? is 6 and 1 is carried. Check: $7.4 + 2.6 = 10$.

Score: out of 20