

11+ Maths Practice Paper

Year 4 · Foundation

Lesson 6.2: Imperial 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

Which of these units measures length?

A inches

B pints

C pounds

D litres

E kilograms

Answer: A Inches measure length. Pints and litres measure capacity; pounds and kilograms measure mass.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

Which of these units measures mass (how heavy something is)?

- A inches B miles C pounds D pints E metres

2

Which of these units measures how much a jug holds?

- A pints B inches C pounds D miles E centimetres

3

Which of these is the longest?

- A 1 inch B 1 mm C 1 cm D 5 mm E 2 cm

4

Which of these is the heaviest?

- A 1 lb B 100 g C 500 g D 1 kg E 1 g

5

Which of these is closest to 1 pint?

- A 57 ml B 570 ml C 5700 ml D 10 ml E 2000 ml

6

1 inch is about 2.5 cm.

About how many centimetres is 2 inches?

- A 4 cm B 2.5 cm C 25 cm D 5 cm E 10 cm

7

1 inch is about 2.5 cm.

About how many centimetres is 4 inches?

- A 8 cm B 10 cm C 6.5 cm D 40 cm E 1.6 cm

8

5 miles is about 8 km.

About how many kilometres is 10 miles?

- A** 16 km **B** 13 km **C** 80 km **D** 18 km **E** 50 km
-

9

1 kg is about 2.2 lb.

About how many pounds is 2 kg?

- A** 4 lb **B** 2.4 lb **C** 22 lb **D** 44 lb **E** 4.4 lb
-

10

Which of these is the longest distance?

- A** 1 km **B** 900 m **C** 1 mile **D** 1500 m **E** 100 m
-

11

A carton holds 2 pints of milk. 1 pint is about 570 ml.

Which of these is true?

- A** It holds exactly 2 litres
B It holds less than half a litre
C It holds about 5 litres
D It holds a bit more than 1 litre
E It holds 2 ml
-

12

5 miles is about 8 km.

About how many kilometres is 15 miles?

- A** 23 km **B** 24 km **C** 120 km **D** 20 km **E** 30 km
-

13

1 kg is about 2.2 lb.

About how many pounds is 5 kg?

- A** 10 lb **B** 7.2 lb **C** 11 lb **D** 110 lb **E** 2.5 lb
-

14

Zara's ruler is 12 inches long.

1 inch is about 2.5 cm.

About how long is the ruler in centimetres?

- A** 24 cm **B** 14.5 cm **C** 300 cm **D** 36 cm **E** 30 cm

15

Leo cycles 10 miles. Mia cycles 10 km.

Who cycles further?

- A** Mia, because a km is longer than a mile
B They cycle the same distance
C Mia, because 10 km is 100 miles
D Leo, because 10 miles is 1 km
E Leo, because a mile is longer than a km

Part 2: Write your answer

16

1 inch is about 2.5 cm.

About how many centimetres is 6 inches?

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

17

5 miles is about 8 km.

About how many kilometres is 20 miles?

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

18

1 kg is about 2.2 lb.

About how many pounds is 10 kg?

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

19

A book is 8 inches tall.

1 inch is about 2.5 cm.

About how many centimetres tall is the book?

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

20

A long walk is 25 miles.

5 miles is about 8 km.

About how many kilometres is the walk?

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

Answer sheet

11+ Maths Practice Paper · Year 4 · Lesson 6.2: Imperial conversions

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 pounds	Pounds (lb) measure mass, like kilograms. Inches, miles and metres measure length; pints measure capacity.
2	A pints	Pints measure capacity, like litres and millilitres.
3	A 1 inch	1 inch is about 2.5 cm, which is more than 2 cm.
4	D 1 kg	1 kg is 1000 g. 1 lb is only about 450 g, a bit less than half a kilogram.
5	B 570 ml	1 pint is about 570 ml: a bit more than half a litre.
6	D 5 cm	$2 \times 2.5 = 5$ cm. (Double 2 is 4, half of 2 is 1, and $4 + 1 = 5$.)
7	B 10 cm	Double 4 is 8, half of 4 is 2, and $8 + 2 = 10$ cm.
8	A 16 km	10 miles is 2 lots of 5 miles, so it is $2 \times 8 = 16$ km.
9	E 4.4 lb	Double 2 is 4, and a tenth of 4 is 0.4, so $4 + 0.4 = 4.4$ lb.
10	C 1 mile	1 mile is about 1.6 km, which is 1600 m. That is more than 1500 m.
11	D It holds a bit more than 1 litre	$2 \times 570 = 1140$ ml, which is a bit more than 1000 ml (1 litre).
12	B 24 km	15 miles is 3 lots of 5 miles, so it is $3 \times 8 = 24$ km.
13	C 11 lb	Double 5 is 10, and a tenth of 10 is 1, so $10 + 1 = 11$ lb.
14	E 30 cm	Double 12 is 24, half of 12 is 6, and $24 + 6 = 30$ cm.
15	E Leo, because a mile is longer than a km	A mile is about 1.6 km, so 10 miles is about 16 km. That is more than 10 km.
16	15	Double 6 is 12, half of 6 is 3, and $12 + 3 = 15$ cm.
17	32	20 miles is 4 lots of 5 miles, so it is $4 \times 8 = 32$ km.
18	22	Double 10 is 20, a tenth of 20 is 2, and $20 + 2 = 22$ lb.
19	20	Double 8 is 16, half of 8 is 4, and $16 + 4 = 20$ cm.
20	40	25 miles is 5 lots of 5 miles, so it is $5 \times 8 = 40$ km.

Score: out of 20