

11+ Maths Practice Paper

Year 5 · Intermediate

Lesson 6.2: Imperial conversions

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

1 inch is about 2.5 cm.

About how many inches is 10 cm?

A 4 inches **B** 25 inches **C** 2 inches **D** 7.5 inches **E** 40 inches

Answer: A To change centimetres into inches, divide by 2.5: $10 \div 2.5 = 4$, and double 4 is 8 inches.

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

Now turn over and start Part 1.

Part 1: Multiple choice

1

1 inch is about 2.5 cm.

About how many inches is 20 cm?

- A** 50 inches **B** 4 inches **C** 17.5 inches **D** 10 inches **E** 8 inches
-

2

5 miles is about 8 km.

About how many miles is 24 km?

- A** 38.4 miles **B** 3 miles **C** 15 miles **D** 19 miles **E** 21 miles
-

3

1 kg is about 2.2 lb.

About how many kilograms is 11 lb?

- A** 24.2 kg **B** 13.2 kg **C** 8.8 kg **D** 5 kg **E** 2 kg
-

4

1 pint is about 570 ml.

About how many millilitres is 3 pints?

- A** 171 ml **B** 573 ml **C** 1710 ml **D** 1500 ml **E** 17,100 ml
-

5

4 litres is about 7 pints.

About how many pints is 8 litres?

- A** 11 pints **B** 14 pints **C** 56 pints **D** 15 pints **E** 32 pints
-

6

1 kg is about 2.2 lb.

About how many pounds is 3.5 kg?

- A** 7 lb **B** 5.7 lb **C** 77 lb **D** 7.7 lb **E** 6.6 lb
-

7

1 inch is about 2.5 cm.

Which of these is the longest?

- A** 12 inches **B** 10 inches **C** 20 cm **D** 28 cm **E** 25 cm
-

8

1 kg is about 2.2 lb.

Which of these is the heaviest?

- A** 2 kg **B** 4 lb **C** 5 lb **D** 1500 g **E** 2.5 lb
-

9

1 pint is about 570 ml.

Which of these holds the most?

- A** 1 litre **B** 2 pints **C** 1500 ml **D** 1200 ml **E** 3 pints
-

10

A race is 40 km long.

5 miles is about 8 km.

About how many miles is the race?

- A** 25 miles **B** 64 miles **C** 5 miles **D** 35 miles **E** 45 miles
-

11

Sam walks 15 miles. Ella walks 20 km.

5 miles is about 8 km.

Who walks further, and by about how much?

- A** Ella, by about 5 km
B Sam, by about 5 km
C Sam, by about 4 km
D Ella, by about 4 km
E They walk the same distance
-

12

A television screen is 40 inches wide.

1 inch is about 2.5 cm.

About how wide is it in centimetres?

- A** 100 cm **B** 16 cm **C** 80 cm **D** 42.5 cm **E** 1000 cm
-

13

A cake needs 2 lb of flour.

1 kg is about 2.2 lb.

Which of these is true?

- A** A 1 kg bag of flour is not enough
B 2 lb is exactly 1 kg
C 2 lb is about 4.4 kg
D A 1 kg bag of flour is enough
E 2 lb is about 2 kg
-

14

4 litres is about 7 pints.

About how many litres is 21 pints?

- A** 36 litres **B** 12 litres **C** 3 litres **D** 17 litres **E** 28 litres
-

15

A jug holds 2 litres of water.

1 pint is about 570 ml.

How many full 1 pint glasses can it fill?

- A** 4 **B** 3 **C** 2 **D** 1 **E** 6
-

16

1 lb is about 450 g.

About how many grams is 4 lb?

- A** 1800 g **B** 180 g **C** 18,000 g **D** 1600 g **E** 454 g
-

17

1 inch is about 2.5 cm.

Which list is in order, shortest first?

- A 5 inches, 8 inches, 10 cm, 15 cm
- B 10 cm, 15 cm, 5 inches, 8 inches
- C 8 inches, 15 cm, 5 inches, 10 cm
- D 5 inches, 10 cm, 8 inches, 15 cm
- E 10 cm, 5 inches, 15 cm, 8 inches

18

A road sign says the next town is 30 miles away.

5 miles is about 8 km.

About how far is that in kilometres?

- A 240 km B 48 km C 38 km D 18.75 km E 35 km

Part 2: Write your answer

19

1 inch is about 2.5 cm.

About how many inches is 30 cm?

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

20

5 miles is about 8 km.

About how many miles is 56 km?

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

21

4 litres is about 7 pints.

About how many pints is 12 litres?

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

22

1 kg is about 2.2 lb.

About how many kilograms is 22 lb?

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

23

1 pint is about 570 ml.

About how many millilitres is 4 pints?

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

24

Ravi runs 10 miles. Omar runs 12 km.

5 miles is about 8 km.

About how many kilometres further does Ravi run?

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		22	
20		23	
21		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	E 8 inches	$20 \div 5 = 4$, and double 4 is 8 inches. An inch is longer than a cm, so there are fewer inches.
2	C 15 miles	24 km is 3 lots of 8 km, so it is $3 \times 5 = 15$ miles.
3	D 5 kg	Count up in 2.2s: 2.2, 4.4, 6.6, 8.8, 11. That is 5 lots, so 5 kg.
4	C 1710 ml	$3 \times 570 = 1710$ ml.
5	B 14 pints	8 litres is 2 lots of 4 litres, so it is $2 \times 7 = 14$ pints.
6	D 7.7 lb	Double 3.5 is 7, and a tenth of 7 is 0.7, so $7 + 0.7 = 7.7$ lb.
7	A 12 inches	12 inches is about 30 cm and 10 inches is about 25 cm, so 12 inches is the longest.
8	C 5 lb	2 kg is about 4.4 lb, and 1500 g (1.5 kg) is about 3.3 lb. So 5 lb is the heaviest.
9	E 3 pints	3 pints is about $3 \times 570 = 1710$ ml, more than 1500 ml. 2 pints is only about 1140 ml.
10	A 25 miles	40 km is 5 lots of 8 km, so it is $5 \times 5 = 25$ miles.
11	C Sam, by about 4 km	15 miles is 3 lots of 5 miles, so about $3 \times 8 = 24$ km. $24 - 20 = 4$, so Sam walks about 4 km further.
12	A 100 cm	Double 40 is 80, half of 40 is 20, and $80 + 20 = 100$ cm.
13	D A 1 kg bag of flour is enough	1 kg is about 2.2 lb, which is more than 2 lb. So a 1 kg bag is enough, with a little to spare.
14	B 12 litres	21 pints is 3 lots of 7 pints, so it is $3 \times 4 = 12$ litres.
15	B 3	2 litres = 2000 ml. 3 glasses use $3 \times 570 = 1710$ ml, and a 4th would need 2280 ml: too much. So 3 full glasses.
16	A 1800 g	$4 \times 450 = 1800$ g.
17	E 10 cm, 5 inches, 15 cm, 8 inches	5 inches is about 12.5 cm and 8 inches is about 20 cm. So 10, 12.5, 15, 20.
18	B 48 km	30 miles is 6 lots of 5 miles, so it is $6 \times 8 = 48$ km.
19	12	$30 \div 5 = 6$, and double 6 is 12 inches.
20	35	56 km is 7 lots of 8 km, so it is $7 \times 5 = 35$ miles.
21	21	12 litres is 3 lots of 4 litres, so it is $3 \times 7 = 21$ pints.
22	10	$10 \times 2.2 = 22$, so 22 lb is about 10 kg.
23	2,280	$4 \times 570 = 2280$ ml.
24	4	10 miles is 2 lots of 5 miles, so about $2 \times 8 = 16$ km. $16 - 12 = 4$ km.

Score: out of 24