

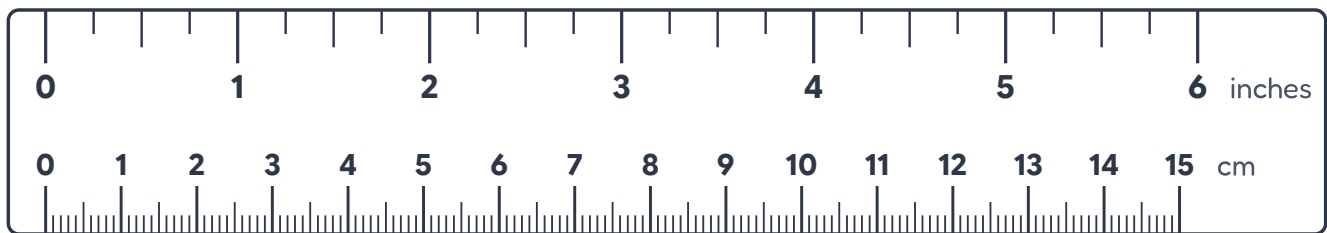
Metric and Imperial Units

Use the rough equivalents to change between the units.

Rough equivalents

1 inch is about 2.5 cm

1 foot is about 30 cm (1 foot = 12 inches)



1. **4 inches** is about 10 cm Example
2. **6 inches** is about _____ cm
3. **25 cm** is about _____ inches
4. **8 inches** is about _____ cm
5. **5 cm** is about _____ inches
6. **20 inches** is about _____ cm
7. **40 cm** is about _____ inches
8. **3 inches** is about _____ cm
9. **2 feet** is about _____ cm
10. **1.5 feet** is about _____ cm
11. **90 cm** is about _____ feet
12. A sunflower is **60 inches** tall. About how tall is it in centimetres?
About _____ cm
13. A school ruler is **30 cm** long. About how many inches is that?
About _____ inches

Metric and Imperial Units

Change between kilograms and pounds. Which is heavier?

Rough equivalents

1 kg is about 2.2 lb

11 lb is about 5 kg

Complete the table.

Example

kilograms	1	2	5	10		
pounds	2.2				44	66

1. **4 kg** is about _____ lb

2. **55 lb** is about _____ kg

3. **1.5 kg** is about _____ lb

4. **33 lb** is about _____ kg

5. **50 kg** is about _____ lb

6. **77 lb** is about _____ kg

7. **0.5 kg** is about _____ lb

8. **27.5 lb** is about _____ kg

Circle the heavier one.

9. **3 kg** or **6 lb**

10. **10 lb** or **5 kg**

11. **2 kg** or **5 lb**

12. **7 lb** or **3.5 kg**

13. A baby weighs **7.7 lb** at birth. About how many kilograms is that?

About _____ kg

Metric and Imperial Units

Change between pints, gallons and litres. Which holds more?

Rough equivalents

1 pint is about **0.57** litres

1 litre is about **1.75** pints

1 gallon is about **4.5** litres

1. 10 pints is about 5.7 litres Example
2. 2 litres is about _____ pints
3. 20 pints is about _____ litres
4. 4 litres is about _____ pints
5. 100 pints is about _____ litres
6. 6 litres is about _____ pints
7. 18 litres is about _____ gallons
8. 2 gallons is about _____ litres
9. 45 litres is about _____ gallons
10. 3 gallons is about _____ litres
11. 12 litres is about _____ pints

Circle the one that holds more.

12. 4 pints or 2 litres
13. 1 gallon or 5 litres
14. 3 litres or 6 pints
15. 10 litres or 2 gallons
16. A café uses 30 pints of milk every day. About how many litres is that?
About _____ litres

Metric and Imperial Units

Complete the table. Change the miles on each sign to km.

Rough equivalents

5 miles is about 8 km

1 mile is about 1.6 km

Complete the table.

Example

miles	5	10	15		25		100	
km	8			32		48		320

The signs show miles. About how many km is each place?



_____ km

_____ km

_____ km



_____ km

_____ km

_____ km

Change between miles and km.

- 3 miles** is about _____ km
- 12 km** is about _____ miles
- 7 miles** is about _____ km
- 4 km** is about _____ miles
- 1.5 miles** is about _____ km
- 36 km** is about _____ miles

Metric and Imperial Units

Change between miles and kilometres. Which is longer?

Rough equivalents

5 miles is about 8 km 1 mile is about 1.6 km

1. London to Brighton is about **50 miles**. Example about 80 km
2. Manchester to Liverpool is about **35 miles**. about _____ km
3. Edinburgh to Glasgow is about **45 miles**. about _____ km
4. Cardiff to Swansea is about **64 km**. about _____ miles
5. Norwich to Cambridge is about **96 km**. about _____ miles
6. Bath to Bristol is about **20 km**. about _____ miles

Circle the longer distance.

7. **20 miles** or **30 km**
8. **50 km** or **25 miles**
9. **10 miles** or **20 km**
10. **60 km** or **40 miles**
11. **100 km** or **70 miles**
12. **6 miles** or **9 km**

Metric and Imperial Units

Use the rough equivalents to solve each problem.

Rough equivalents

1 inch is about 2.5 cm 1 kg is about 2.2 lb 1 litre is about 1.75 pints
1 gallon is about 4.5 litres 5 miles is about 8 km

1. Mum buys 8 litres of milk. About how many pints is that?

Example

About 14 pints

2. The speed limit on a motorway is 70 miles per hour. About how many km per hour is that?

About _____ km per hour

3. An airline lets each suitcase weigh up to 22 kg. About how many pounds is that?

About _____ lb

4. A bucket holds 6 gallons of water. About how many litres is that?

About _____ litres

5. Amy is 4 feet 6 inches tall, which is 54 inches. About how tall is she in centimetres?

About _____ cm

6. Sam cycles 12 miles. Lucy cycles 22 km. Who goes further, and by about how many km?

_____ by about _____ km

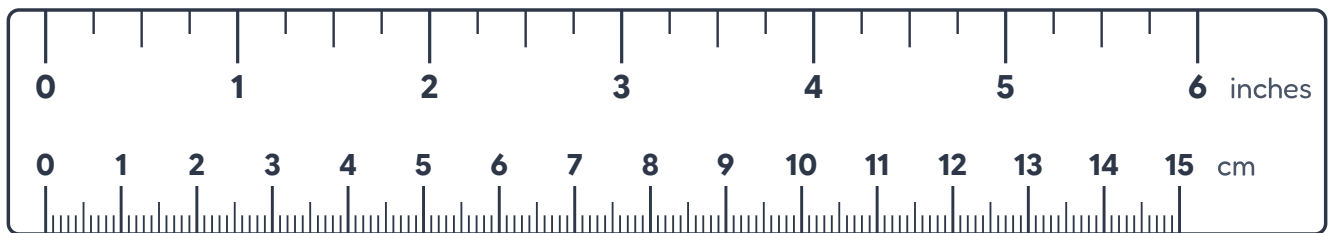
Metric and Imperial Units

Use the rough equivalents to change between the units.

Rough equivalents

1 inch is about 2.5 cm

1 foot is about 30 cm (1 foot = 12 inches)



1. 4 inches is about 10 cm Example
2. 6 inches is about 15 cm
3. 25 cm is about 10 inches
4. 8 inches is about 20 cm
5. 5 cm is about 2 inches
6. 20 inches is about 50 cm
7. 40 cm is about 16 inches
8. 3 inches is about 7.5 cm
9. 2 feet is about 60 cm
10. 1.5 feet is about 45 cm
11. 90 cm is about 3 feet
12. A sunflower is 60 inches tall. About how tall is it in centimetres?
About 150 cm
13. A school ruler is 30 cm long. About how many inches is that?
About 12 inches

Metric and Imperial Units

Change between kilograms and pounds. Which is heavier?

Rough equivalents

1 kg is about 2.2 lb

11 lb is about 5 kg

Complete the table.

Example

kilograms	1	2	5	10	20	30
pounds	2.2	4.4	11	22	44	66

1. 4 kg is about 8.8 lb

2. 55 lb is about 25 kg

3. 1.5 kg is about 3.3 lb

4. 33 lb is about 15 kg

5. 50 kg is about 110 lb

6. 77 lb is about 35 kg

7. 0.5 kg is about 1.1 lb

8. 27.5 lb is about 12.5 kg

Circle the heavier one.

9. 3 kg or 6 lb

10. 10 lb or 5 kg

11. 2 kg or 5 lb

12. 7 lb or 3.5 kg

13. A baby weighs 7.7 lb at birth. About how many kilograms is that?

About 3.5 kg

Metric and Imperial Units

Change between pints, gallons and litres. Which holds more?

Rough equivalents

1 pint is about **0.57** litres

1 litre is about **1.75** pints

1 gallon is about **4.5** litres

1. 10 pints is about 5.7 litres Example
2. 2 litres is about 3.5 pints
3. 20 pints is about 11.4 litres
4. 4 litres is about 7 pints
5. 100 pints is about 57 litres
6. 6 litres is about 10.5 pints
7. 18 litres is about 4 gallons
8. 2 gallons is about 9 litres
9. 45 litres is about 10 gallons
10. 3 gallons is about 13.5 litres
11. 12 litres is about 21 pints

Circle the one that holds more.

12. 4 pints or 2 litres

13. 1 gallon or 5 litres

14. 3 litres or 6 pints

15. 10 litres or 2 gallons

16. A café uses 30 pints of milk every day. About how many litres is that?

About 17.1 litres

Metric and Imperial Units

Complete the table. Change the miles on each sign to km.

Rough equivalents

5 miles is about 8 km 1 mile is about 1.6 km

Complete the table.

Example

miles	5	10	15	20	25	30	100	200
km	8	16	24	32	40	48	160	320

The signs show miles. About how many km is each place?

Oxford	55	<u>88</u>	km
Reading	65	<u>104</u>	km
London	85	<u>136</u>	km

York	75	<u>120</u>	km
Leeds	80	<u>128</u>	km
Hull	90	<u>144</u>	km

Change between miles and km.

- 3 miles is about 4.8 km
- 12 km is about 7.5 miles
- 7 miles is about 11.2 km
- 4 km is about 2.5 miles
- 1.5 miles is about 2.4 km
- 36 km is about 22.5 miles

Metric and Imperial Units

Change between miles and kilometres. Which is longer?

Rough equivalents

5 miles is about 8 km 1 mile is about 1.6 km

1. London to Brighton is about **50 miles**. Example about 80 km
2. Manchester to Liverpool is about **35 miles**. about 56 km
3. Edinburgh to Glasgow is about **45 miles**. about 72 km
4. Cardiff to Swansea is about **64 km**. about 40 miles
5. Norwich to Cambridge is about **96 km**. about 60 miles
6. Bath to Bristol is about **20 km**. about 12.5 miles

Circle the longer distance.

7. 20 miles or 30 km
8. 50 km or 25 miles
9. 10 miles or 20 km
10. 60 km or 40 miles
11. 100 km or 70 miles
12. 6 miles or 9 km

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1 gallon is about 4.5 litres 5 miles is about 8 km

1. Mum buys 8 litres of milk. About how many pints is that?

Example

About 14 pints

2. The speed limit on a motorway is 70 miles per hour. About how many km per hour is that?

About 112 km per hour

3. An airline lets each suitcase weigh up to 22 kg. About how many pounds is that?

About 48.4 lb

4. A bucket holds 6 gallons of water. About how many litres is that?

About 27 litres

5. Amy is 4 feet 6 inches tall, which is 54 inches. About how tall is she in centimetres?

About 135 cm

6. Sam cycles 12 miles. Lucy cycles 22 km. Who goes further, and by about how many km?

Lucy by about 2.8 km