

04.02.21

L.O. I can multiply and divide by 10,  
100,1000.

Thinking about all the work we do in multiplying and dividing numbers by 10, 100 and 1000 we are now going to use this to convert between units of measure.

Look at the conversion chart on the next spreadsheet and work out the conversions.



1) 5 km = \_\_\_\_\_ m

2) 600 cm = \_\_\_\_\_ m

3) 8 cm = \_\_\_\_\_ mm

4) \_\_\_\_\_ km = 4000 m

5) \_\_\_\_\_ m = 900 cm

6) 120 mm = \_\_\_\_\_ cm

7) 7 km = \_\_\_\_\_ m

8) 14 cm = \_\_\_\_\_ mm

9) 12 m = \_\_\_\_\_ cm

10) \_\_\_\_\_ km = 13,000 m

11) \_\_\_\_\_ cm = 130 mm

12) 1400 cm = \_\_\_\_\_ m

Which is the most? Circle the largest amount in each box.

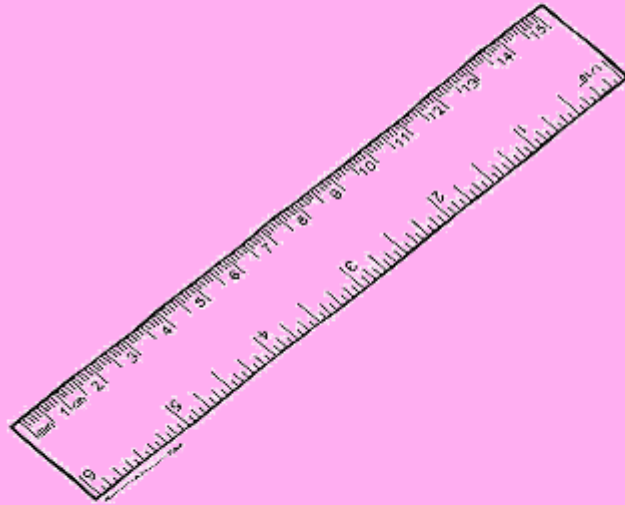
100 m	3 km	380 cm	9020 m
<u>1 km</u>	2850 m	4000 mm	20,000 cm
1000 cm	5000 cm	3 m	9 km

Use greater than (>), less than (<) or equals (=) to compare the amounts.

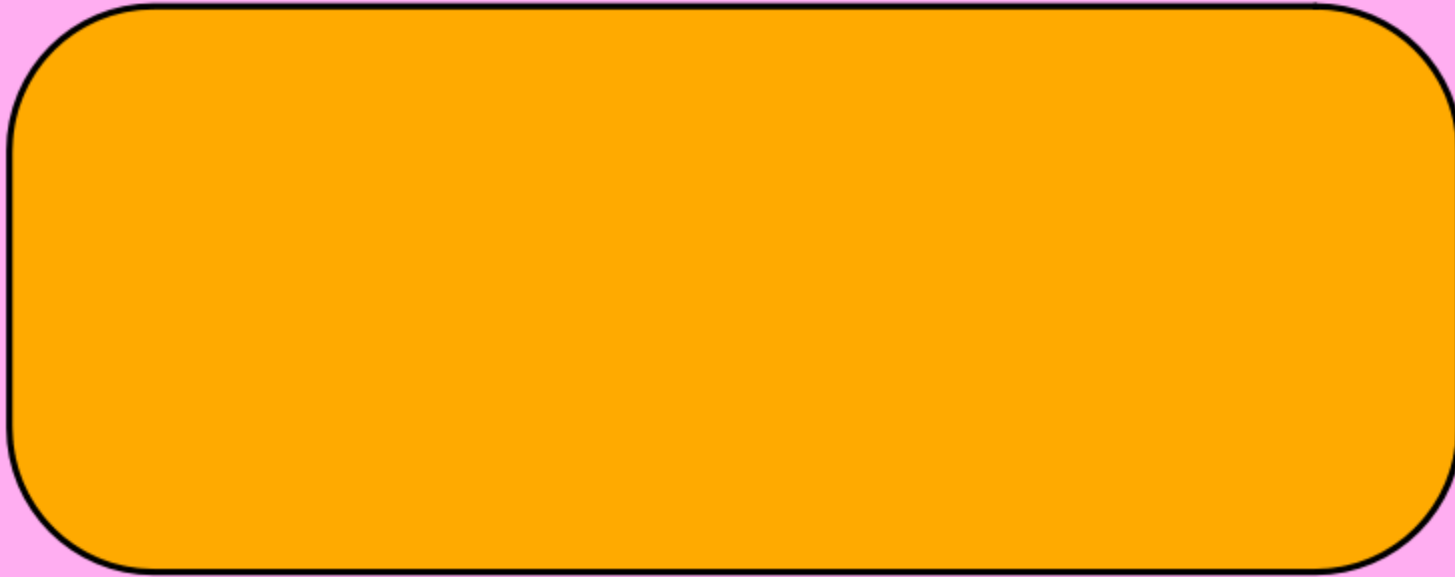
1)	1 L	>	590 mL	2)	50 mm		6 cm
3)	3000 g		2 kg	4)	800 cm		8 m
5)	960 mL		1 L	6)	4200 g		5 kg
7)	65 mm		6 cm	8)	7 L		860 mL
9)	2 km		320 cm	10)	$\frac{1}{2}$ km		460 m
11)	6000 g		6 kg	12)	7 cm		700 mm

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L.O. I can solve word problems involving conversion of units of measure.



1. The horse race was 3.8km long.  
The next race was 630m longer.  
How long was the second race?



2. Each burger weighs 200g.  
There are 6 burgers in each  
pack. What is the weight of 5  
packs?



3. A pan holds 2.3l of boiling water. 25ml evaporates every minute. How much water is left if it boils for 30 minutes?





## Your Task



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**Section B 1-3**



**A**

- 1 A running track is 400 m long. Carrie runs eight laps. How far is this in kilometres?
- 2 Last year Lee's foot was 14.5 cm long. This year it is 8 mm longer. How long is Lee's foot now?
- 3 A pipe is three metres long. Three 60 cm lengths are cut off. How long is the pipe which is left in metres?
- 4 Mark walks between home and school four times each day. He works out that he walks 2.8 km daily. How far is it from Mark's home to his school in metres?
- 5 A 10p coin is 2.4 cm wide. A 5p coin is 7 mm shorter. How wide is a 5p coin?
- 6 Carl is 1.25 m tall. His father is 40 cm taller. How tall is Carl's father?

**B**

- 1 A one pound coin is 3 mm thick. How tall is a stack of twelve £1 coins in centimetres?
- 2 The end of a garden is 12.4 m wide. There is a gate 80 cm wide exactly in the centre of the garden wall. How long is the wall either side of the gate?
- 3 Rolls of cable are 200 m long. 4.8 km of cable is needed. How many rolls are required?
- 4 A shadow is 14.2 cm long. Thirty minutes later it is 27 mm shorter. How long is the shadow now?
- 5 A rope is 5.3 m long. Four equal lengths are cut off. 3.7 m is left. How long are the four lengths in centimetres?
- 6 The course of a cross-country race is 2 laps of 1.4 km and 3 laps of 750 m. How long is the race?

**C**

- 1 A stamp is 26 mm long and 17 mm wide. What is the perimeter of the stamp in centimetres?
- 2 Wind turbines are spaced 150 m apart. There are 25 in a row. How long is the row in kilometres?
- 3 A pile of 25 books is 20 cm tall. How thick is each book in millimetres?
- 4 Square carpet tiles are 40 cm long. How many are needed to cover the floor of a room 6 m long and 4.8 m wide?
- 5 There are eighteen candles in a packet. Each candle is 12 cm long. What is the total length of the candles?



- 6 A rectangular field has a perimeter of 2.09 km. It is 480 m wide. How long is the field?

**A**

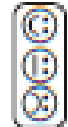
- 1 When he was born Frank weighed 4.2 kg. This was 500 g more than Sally. What did Sally weigh at birth?
- 2 A bird feeder holds 200 g of seeds. How many times can it be filled from 1 kg of seed?
- 3 A cereal bar weighs 100 g. There are 24 in a box. What is the total weight of the bars in kilograms?
- 4 Three 500 g weights are put on a balance. Four 200 g weights are added. How much weight is on the balance altogether, in kilograms?
- 5 A small box of cornflakes weighs 750 g. A large box weighs 500 g more. What does the large box weigh in kilograms?
- 6 Bradley buys 0.6 kg of mince. One quarter is used. How much is left in grams?

**B**

- 1 A bag of chips weighs 2.35 kg. 700 g is eaten. How much is left?
- 2 A can of fish weighs 165 g. What do ten cans weigh in kilograms?
- 3 Sugar cubes weigh 10 g. How many cubes are there in a 1.2 kg box?
- 4 A chef is preparing a meal for 120 people. Each meal needs 200 g of potatoes. How many 6 kg bags of potatoes are needed?
- 5 A box containing thirty packets of biscuits weighs 4.1 kg. Each packet of biscuits weighs 130 g. What does the box itself weigh?
- 6 Laurel's suitcase and luggage weigh 20.4 kg. She takes out boots weighing 900 g and puts in sandals weighing 450 g. What is the weight of the suitcase and luggage now?

**C**

- 1 Scott cooks 0.8 kg of pasta. This provides five servings. How much pasta is in each serving in grams?
- 2 A laptop weighs 2.47 kg. Its case weighs 725 g. What is the combined weight of laptop and case?
- 3 A bar of soap weighs 85 g. What is the weight of forty bars in kilograms?
- 4 A 2 kg bag provides enough flour for 25 rolls. How much flour is needed for eight rolls in grams?
- 5 Jamie orders three 24 kg bags of coal. During November, December and January he uses 600 g daily. How much coal is left at the end of January?
- 6 Marina buys 0.6 kg of cheese. She uses two fifths. She uses a further 175 g. How much cheese is left?



# Spring Test 3

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## 5-second questions

1	20 86	11	4 weeks
2	72	12	p £3 90p
3	3572	13	1 kg 1 lb
4		14	
5	40	15	

## 10-second questions

6	9 1 kg $\frac{1}{4}$	16	90 82 74 66 ____
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## 15-second questions

7	6 5 3 13	17	62 35 5
8	$\frac{3}{1000}$	18	cm 2.5 cm
9	10 50	19	° $\angle$
10	$3\frac{1}{6}$	20	$3\frac{1}{2}$ hours 10 past 6

Total marks	/20
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## How well did you do?

Colour the numbers of the questions you got right.  
Some questions may appear more than once.

Number, place value	3	9	16																
Addition and subtraction	1	7	17																
Multiplication and division	2	4	12																
Fractions, decimals and percentages	5	6	8	10	14														
Measurement	6	11	12	13	15	17	18	20											
Properties of shapes	19																		
Position, direction																			
Statistics																			