

Unit 4: Measurement

Quiz (Lessons 1–5) — MB

Name: _____

Date: _____

1. Measure the length of the line.

a) _____ cm

b) _____ cm

BONUS► _____ about _____ cm

2. Draw a line 5 cm long. Use a ruler.

3. Grace walks 140 m, then runs 390 m, and then walks another 95 m. How far does Grace travel?

4. Change the metres to centimetres. Change the mixed measurement to centimetres.

a) 5 m = _____ cm,

so 5 m 37 cm

= _____ cm

= _____ cm

b) 3 m = _____ cm,

so 3 m 8 cm

= _____ cm

= _____ cm

5. Mike thinks that 2 m is shorter than 79 cm, because 2 is less than 79. Is Mike correct? Explain.

BONUS► Change the metres to centimetres.

Object	Ski	Window	Bike
Length	1 m 34 cm	2 m 10 cm	1 m 65 cm
Length in cm			

Write the lengths from shortest to longest. _____

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Quiz (Lessons 1–5) — MB

1. a) 11
b) 3

BONUS

6

2. Teacher to check.
3. 625 m
4. a) 500, $500 + 37$, 537
b) 300, $300 + 8$, 308
5. Mike is not correct. 1 m = 100 cm, so 2 m = 200 cm. 200 cm is greater than 79 cm.

BONUS

Length in cm: 134, 210, 165; shortest to longest:
1 m 34 cm, 1 m 65 cm,
2 m 10 cm

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Quiz (Lessons 6–8) — MB

Name: _____

Date: _____

1. Fill in the best unit for the measurement. Choose from cm or m.

a) An adult volleyball player is about 2 _____ tall.

b) Carl's hand span is about 16 _____.

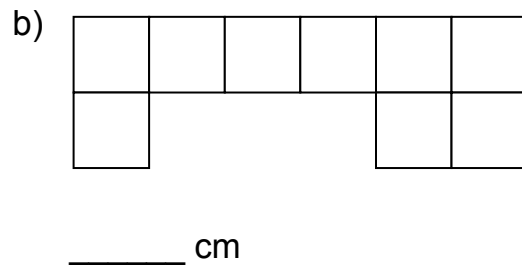
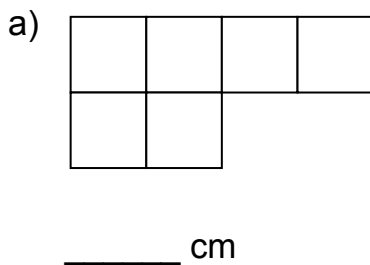
c) An average male giraffe is between 5 _____ and 6 _____ tall.

2. Change the measurement to centimetres. Circle the greater measurement.

a) 400 cm 3 m 59 cm
= _____ cm

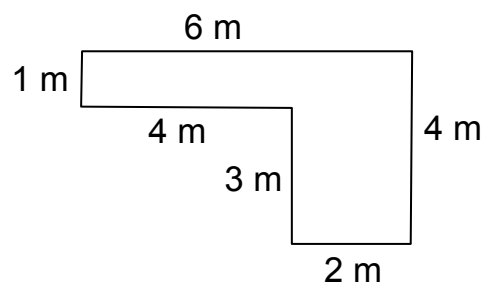
b) 187 cm 2 m
= _____ cm

3. Each small square is 1 cm long and 1 cm wide. Find the perimeter of the figure.

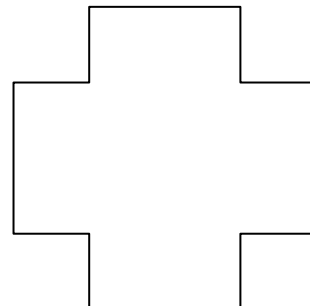


4. Write an addition sentence for the perimeter.
Then find the perimeter.

Perimeter = _____
= _____



BONUS ► All the long sides are 4 cm long and all the short sides are 2 cm long. Find the perimeter.



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Quiz (Lessons 6–8) — MB

1. a) m
 b) cm
 c) m, m
2. a) 359, circle 400 cm
 b) 200, circle 2 m
3. a) 12
 b) 18
4. 1 + 6 + 4 + 2 + 3 + 4, 20 m

BONUS

4 longer sides with a
length of 4 cm is 16 cm.
8 shorter sides with a
length of 2 cm is 16 cm.
 $16 + 16 = 32$, so the
perimeter of the figure is
32 cm.

Unit 4: Measurement

Test (Lessons 1–4, 6–8) — MB

Name: _____

Date: _____

1. Measure the line.

a) _____ cm

b) _____ cm

BONUS ► _____ about _____ cm

2. Draw a line 6 cm long. Use a ruler.

3. Change the metres to centimetres. Change the mixed measurement to centimetres.

a) 3 m = _____ cm,

so 3 m 17 cm

= _____ cm

= _____ cm

b) 6 m = _____ cm,

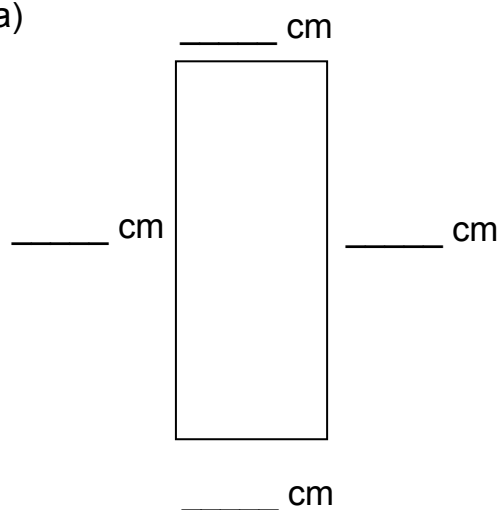
so 6 m 8 cm

= _____ cm

= _____ cm

4. Measure the sides of the shape. Write an addition sentence for the perimeter, then find the perimeter.

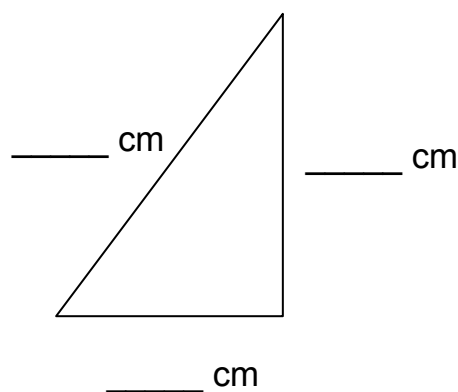
a)



Perimeter = _____

= _____ cm

b)



Perimeter = _____

= _____ cm

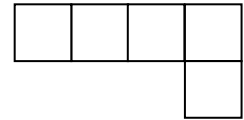
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continued

Test (Lessons 1–4, 6–8) — MB

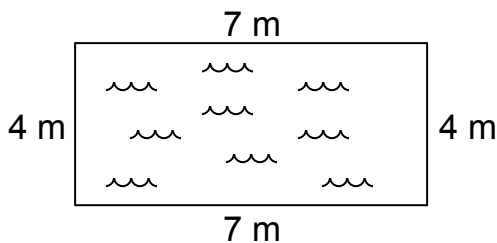
5. A bike is about 2 m long. 8 bikes can park end to end along the length of the playground. How long is the playground?

6. Karen makes a poster from 5 squares and she arranges the squares as shown. Each square has 1 m sides. Karen wants to put a ribbon around the outside of the poster. How much ribbon does she need?

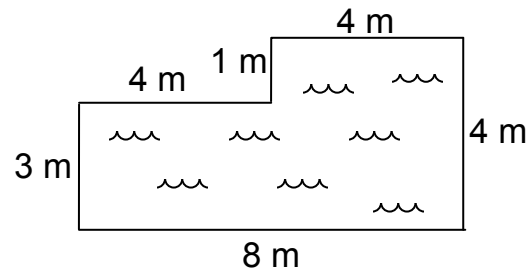


7. Write an addition sentence for the perimeter of the swimming pool. Then find the perimeter. Don't forget to include units in your answer.

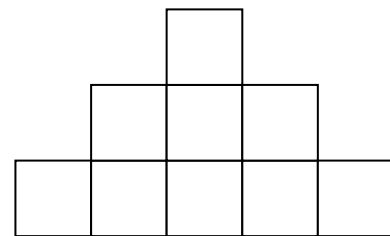
a)



b)



BONUS ► Each square is 1 cm long and 1 cm wide. Find the perimeter of the figure.



Unit 4: Measurement

Answer Key

Test (Lessons 1–4, 6–8) — MB

1. a) 7
b) 8

BONUS

4

2. Teacher to check.
3. a) 300, $300 + 17$, 317
b) 600, $600 + 8$, 608
4. a) $2 + 5 + 2 + 5$, 14
b) $5 + 4 + 3$, 12
5. $2 \times 8 = 16$ m, or
 $2 + 2 + 2 + 2 + 2$
 $+ 2 + 2 + 2 = 16$ m;
The playground is
16 m long.
6. 12 m
7. a) $7 + 4 + 7 + 4 =$
22 m
b) $3 + 4 + 1 + 4 + 4$
 $+ 8 = 24$ m

BONUS

16 cm