Maths Work 4/5/20 – 8/5/20

Monday: Estimation and Measuring sheet. Pick items around your house to measure. Make an estimate of how long the item is and then get the correct measurement.

Tuesday: Pg.34 Q 3, Q4, Q5

Wednesday: Pg.35 Q1, Q2, Q3, Q4

Thursday: Pg.35 Q7 Q8 Pg.36 Q1

Friday: Pg.36 Q2 Q6 Q7 Q8

Estimating Length

Estimate the length, in centimetres, of objects in the classroom.
Record your estimates in the table below.

Item	Estimate

Chapter 18: Length

1. Find each length in millimetres.

(a) 

(b) 

(c) 

(d) 

2. Estimate and then measure to complete the table.

		Estimate	Actual (mm)	Actual (cm and mm)
(a)	Length of your pencil sharpener			
(b)	Width of your pencil			
(c)	Length of your pen			
(d)	Width of your pencil case			

3. Fill in the missing lengths.

(a) 27mm = ____ cm ____ mm | (b) 42mm = ____ cm ____ mm | (c) 5cm 3mm = ____ mm

(d) ____ mm = 0cm 9mm | (e) ____ cm ____ mm = 62mm | (f) 6mm = ____ cm ____ mm

4. Complete the table.

	(a)	(b)	(c)	(d)	(e)	(f)
Millimetres	39mm		7mm			8mm
Fraction (cm)	$3\frac{9}{10}$ cm			$5\frac{1}{10}$ cm		
Decimal (cm)	____ cm	4·3cm			0·4cm	

5. Add or subtract.

(a)
$$\begin{array}{r} \text{cm}\ \ \text{mm} \\ 4\ \ 9 \\ +\ 2\ \ 4 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 3 \cdot 2\ \text{cm} \\ -\ 1 \cdot 4\ \text{cm} \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 9 \cdot 7\ \text{cm} \\ -\ 6 \cdot 5\ \text{cm} \\ \hline \end{array}$$

(d)
$$\begin{array}{r} \text{cm}\ \ \text{mm} \\ 20\ \ 6 \\ -\ 14\ \ 7 \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 19 \cdot 6\ \text{cm} \\ +\ 20 \cdot 7\ \text{cm} \\ \hline \end{array}$$

(f) 16cm 3mm + 9mm | (g) 17cm − 43mm | (h) 34cm 8mm + 15cm | (i) 42·8cm − 99mm

6. Draw lines of the following lengths in your copybook.

(a) 6cm 5mm | (b) 4·9cm | (c) $3\frac{4}{10}$ cm | (d) 0·7cm | (e) 8mm | (f) $3\frac{8}{10}$ cm

Based on Busy at Maths 5, pages 94–95

Length

1. Multiply or divide the following lengths.

(a) 5 ⟌ 13·5cm

(b) 4·7mm × 8

(c) 4 ⟌ 31·2cm

(d) 18cm 3mm × 6

(e) 6 ⟌ 45·6cm

(f) 13·7cm × 6 (g) 51·1cm ÷ 7 (h) 67cm 5mm ÷ 9 (i) 93·6cm ÷ 4 (j) 39cm 6mm × 5

2. A person's hair grows about 14cm 5mm in a single year. If you did not cut your hair for four years, how much would you expect it to grow? _____

3. 

A roll of nine stamps is 21·6cm long. What is the height of one of the stamps?

_____ cm

4. A snail can move 78cm in one minute. How far can it travel in one second? _____ cm

5. List four things you would measure with each of these measuring tools.

(a)  _____, _____, _____, _____

(b) _____, _____, _____, _____

(c)  _____, _____, _____, _____

(d)  _____, _____, _____, _____

6. Make an estimate of the following.

(a) length of a football pitch	(b) length of an eyelash	(c) height of a carton of milk
(d) height of a double-decker bus	(e) length of a car	(f) length of your arm
(g) circumference of a football	(h) height of a door	(i) width of a television

7. Fill in the missing amounts.

(a) 2m 9cm = _____ cm	(b) 48cm = _____ m _____ cm	(c) _____ cm = 3m 87cm
(d) 302cm = _____ m _____ cm	(e) _____ cm = 9m 90cm	(f) 2m 7cm = _____ cm
(g) _____ cm = 6m 6cm	(h) 5m 99cm = _____ cm	(i) 908cm = _____ m _____ cm

8. Complete the table.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Centimetres		470cm			602cm		
Fraction (m)	$3\frac{9}{100}$m			$8\frac{70}{100}$m		$\frac{81}{100}$m	
Decimal (m)			3·25m				3·6m

Length

1. Calculate each length.

(a) 465cm − 2m 97cm	(b) 7·95m ÷ 3	(c) 652cm + 1m 98cm	(d) 3m 9cm × 12
(e) 8m 5cm ÷ 5	(f) 4m 8cm + 3·93cm	(g) 9m − 3m 82cm	(h) 2m 73cm × 5

2. Fill in the missing measurements to complete the table.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Metres		7,048m			3,870m		
Kilometres and metres	8km 291m						
Fraction (km)			$3\frac{51}{1000}$ km			$6\frac{440}{1000}$ km	
Decimal (km)				8·07km			9·3km

3. Calculate as kilometres.

(a) 3·978km − 1km 45m	(b) 5·409km × 7	(c) 6km 75m ÷ 5	(d) 99m + 3·78km
(e) 6km 496m ÷ 7	(f) 6·2km − 41m	(g) 253m × 7	(h) 9·05km ÷ 5

4. Measure the perimeter of each of these shapes.

(a) (b) (c) (d) (e)

5. A football pitch is 32m wide. It is exactly the same distance from the corner flag to the halfway line. What is the perimeter of the pitch? _____ m

6. The perimeter of a rectangular park is 9km 30m. If the park is 1·437km wide, what is its length? _____ km

7. A picture frame has a width of 98mm and a perimeter of 0·62m. What is its height? _____ mm

8. Solve these length puzzles.

(a) 
A car travelled at an average speed of 60km per hour on a 210km journey. If it left at 10:15, what time did it arrive? _____ : _____

(b) The sides of a triangle measure $4\frac{1}{5}$cm, 39mm and 0·02m. What is its perimeter? _____ cm

(c) A submarine was 1·09km below the surface of the water. If it rose 473m from that depth, how far from the surface would it be? _____ m

Challenge Tim was asked to **multiply** 7·362m by 9. Instead he **divided** it by 9. By how much was his answer too small? _____ m

Based on Busy at Maths 3, pages 98–109