

The Primary Stage of Grades (4-5)
 Second Semester 2022 - 2023

Name: Answer Key

Subject: Mathematics

Date: / /

Final Revision worksheet

Grade 5 (C, D, E, F&G)

Objective:

To review all taken concepts about:

- Length, mass and capacity
- Perimeter and area
- Angles

Length, mass and capacity

A Convert to the units shown:

1) 0.94 km = 940 m
 $0.94 \times 1000 = 940$

2) 525.8 cm = 5.258 m
 $525.8 \div 100 = 5.258$

3) 40.05 mm = 4.005 cm
 $40.05 \div 10 = 4.005$

4) 89.06 cm = 890.6 mm
 $89.06 \times 10 = 890.6$

5) 4.8 km 15 m = 4815 m
 $\begin{array}{l} \times 1000 \\ \downarrow \\ 4800\text{m} + 15\text{m} \\ \hline 4815 \end{array}$

6) 92 cm 17 mm = 93.7 cm
 $\begin{array}{l} \downarrow \quad \downarrow \div 10 \\ 92\text{ cm} + 1.7\text{ cm} \end{array}$

7) 63.2 L = 63200 ml
 $63.2 \times 1000 = 63200$

8) 569 ml = 0.569 L
 $569 \div 1000 = 0.569$

$$9) 67 \text{ L } 34 \text{ ml} = \underline{67034} \text{ ml}$$

$$\begin{array}{l} \downarrow \times 1000 \\ 67000 \text{ ml} + 34 \text{ ml} = 67034 \end{array}$$

$$11) 16.4 \text{ kg} = \underline{16400} \text{ g}$$

$$\downarrow \times 1000$$

$$10) 9 \text{ kg } 47 \text{ g} = \underline{9047} \text{ g}$$

$$\begin{array}{l} \downarrow \times 1000 \\ 9000 \text{ g} + 47 \text{ g} = 9047 \end{array}$$

$$12) 5302 \text{ g} = \underline{5} \text{ kg } \underline{302} \text{ g}$$

$$\begin{array}{l} \downarrow \\ 5000 \text{ g} + 302 \text{ g} \\ \downarrow \div 1000 \quad \downarrow \\ 5 \text{ kg} \quad 302 \text{ g} \end{array}$$

B Write $>$, $<$ or $=$ to make statements true.

$$1) 260 \text{ cm} \quad \boxed{<} \quad \begin{array}{l} 26 \text{ m} \\ \downarrow \times 100 \\ 2600 \text{ cm} \end{array}$$

$$2) 7 \text{ km } 3 \text{ m} \quad \boxed{>} \quad 730 \text{ m}$$

$$\begin{array}{l} \downarrow \times 1000 \\ 7000 \text{ m} + 3 \text{ m} \\ 7003 \text{ m} \end{array}$$

$$3) 89.5 \text{ ml} \quad \boxed{<} \quad \begin{array}{l} 8.95 \text{ L} \\ \downarrow \times 1000 \\ 8950 \text{ ml} \end{array}$$

$$4) 2390 \text{ g} \quad \boxed{>} \quad \begin{array}{l} 2.3 \text{ kg} \\ \downarrow \times 1000 \\ 2300 \text{ g} \end{array}$$

C Calculate. (pay attention to the units)

$$1) 6.08 \text{ kg} + 465 \text{ g} =$$

$$\begin{array}{l} \downarrow \times 1000 \\ 6080 \text{ g} + 465 \text{ g} \\ 6545 \text{ g} \\ \text{or } 6.545 \text{ kg} \end{array}$$

$$2) 9 \text{ L} - 3798 \text{ ml} =$$

$$\begin{array}{l} \downarrow \times 1000 \\ 9000 \text{ ml} - 3798 \text{ ml} \\ 5202 \text{ ml} \\ \text{or } 5.202 \text{ L} \end{array}$$

$$3) 3.08 \text{ m} + 215 \text{ cm} =$$

$$\begin{array}{l} \downarrow \times 100 \\ 308 \text{ cm} + 215 \text{ cm} \\ 523 \text{ cm} \\ \text{or} \\ 5.23 \text{ m} \end{array}$$

$$4) 3067 \text{ mm} - 1.02 \text{ m} =$$

$$\begin{array}{l} \downarrow \times 1000 \\ 3067 \text{ mm} - 1020 \text{ mm} \\ 2047 \text{ mm} \\ \text{or} \\ 2.047 \text{ m} \end{array}$$

D Find:

(1) $\frac{7}{8}$ of 24 km in meters

$$\frac{7}{8} \times 24 = 7 \times 3 = 21 \text{ km}$$

$$21 \text{ km} = 21 \times 1000 = 21000 \text{ m}$$

(2) 45% of 5.4 L in milliliters

$$5.4 \times 1000 = 5400 \text{ ml}$$

$$\frac{45}{100} \times 5400 \text{ ml} = 2430 \text{ ml}$$

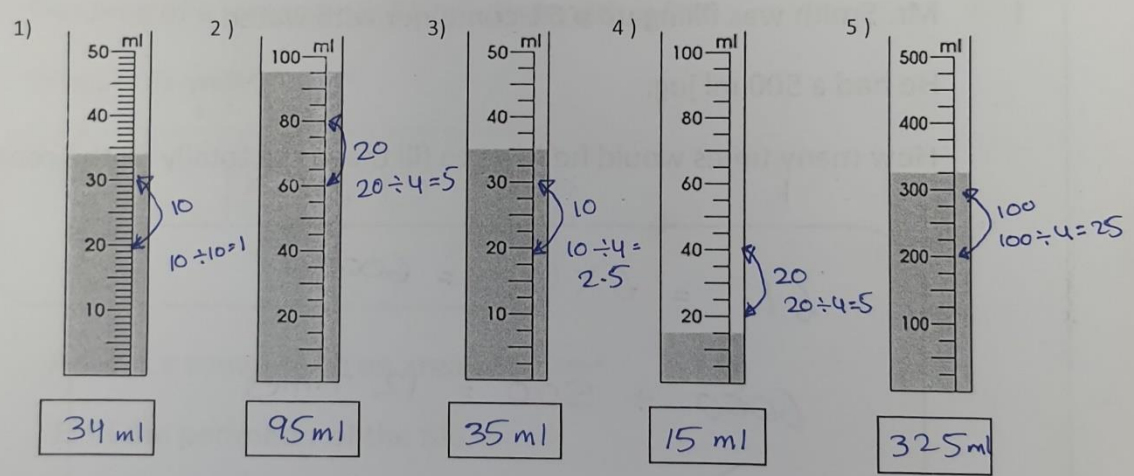
E Write the following lengths starting with the shortest.

7 m 25cm, 775 m, $7\frac{1}{5}$ m, 72.5 cm

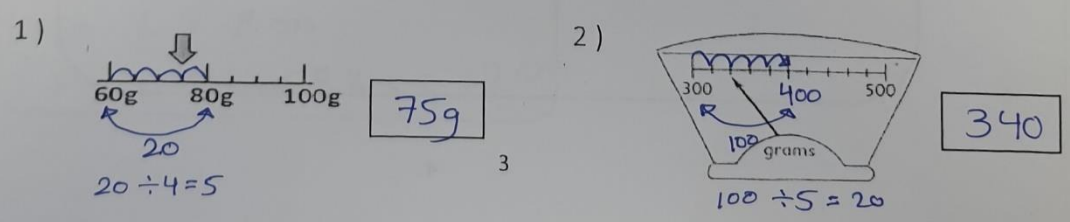
7.25 m , $7\frac{2}{10} = 7.2 \text{ m}$, 0.725 m

72.5 cm, $7\frac{1}{5}$ m, 7 m 25cm, 775 m

F State the capacity shown in ml, for each of the following:



G State the weight shown, in g, for each of the following:



H Sara is packing to move to another apartment down the hall.

She packed 24 boxes. Each box can hold up to 8 kg.

The trolley she is using to move can take up to 32 kg.

How many trips does it take her to move if she only has one trolley?

$$32 \div 8 = 4 \text{ boxes each time}$$
$$24 \div 4 = 6 \text{ trips.}$$

I Mr. Smith was filling up a 6 L container with water.

He had a 500 ml jug.

How many times would he have to fill the jug to totally fill the container?

$$6 \text{ L} = 6 \times 1000 = 6000 \text{ ml}$$
$$6000 \div 500 = 12 \text{ times}$$

Perimeter and area

- A If the perimeter of a square is 40 cm, so the length of each side of the square is

$$40 \div 4 = 10 \text{ cm}$$

- B If the area of a square is 36 m^2 , so the length of each side of the square is

$$\begin{aligned} \text{Area} &= L^2 = L \times L \\ 36 &= \boxed{6} \times \boxed{6} \rightarrow 6 \text{ m} \end{aligned}$$

- C The perimeter of a rectangle is 34 cm. Its width is 5 cm.

What is its length?

$$\begin{aligned} 5 \times 2 &= 10 \\ 34 - 10 &= 24 \\ 24 \div 2 &= 12 \text{ cm each.} \end{aligned}$$

- D The area of a rectangle is 54 m^2 . Its length is 9 m.

What is its width?

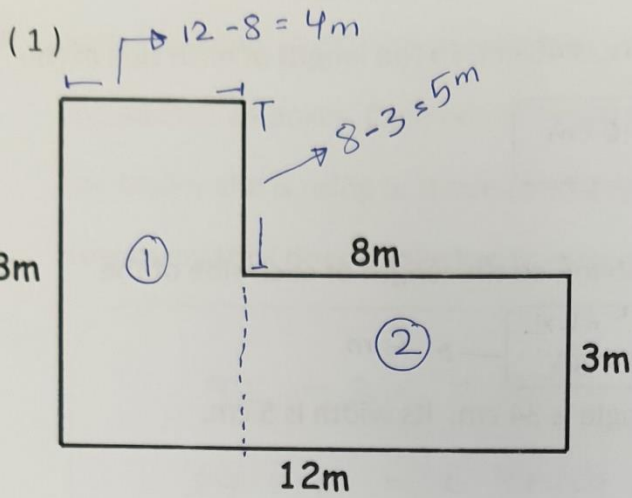
$$\begin{aligned} \text{Area} &= L \times w \\ 54 &= 9 \times \square \rightarrow \square = 54 \div 9 \\ &= 6 \text{ m} \end{aligned}$$

- E A tile is a square with an area of 64 cm^2 .

Find the perimeter of the tile.

$$\begin{aligned} \text{Area} &= L \times L \rightarrow 64 = 8 \times 8 \\ \text{so } L &= 8 \text{ cm} \\ P &= L \times 4 = 8 \times 4 = 32 \text{ cm} \end{aligned}$$

F Find the area and the perimeter for the following compound shapes.



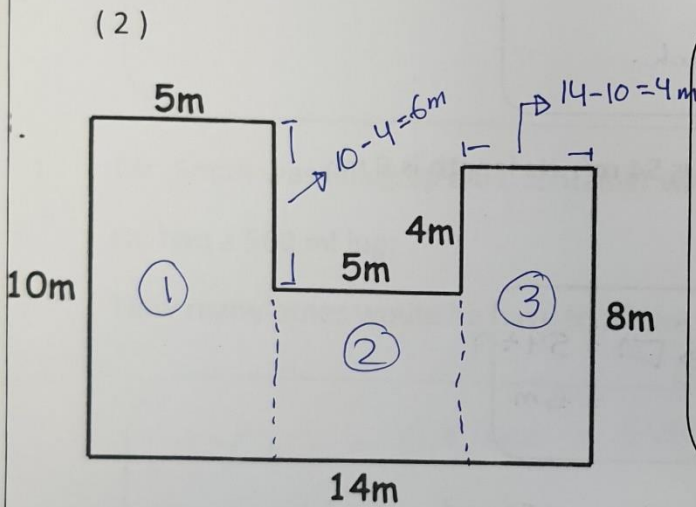
Area =

$$\text{Area 1} = 8 \times 4 = 32 \text{ m}^2$$

$$\text{Area 2} = 8 \times 3 = 24 \text{ m}^2$$

$$\text{Total Area} = 56 \text{ m}^2$$

$$\begin{aligned} \text{Perimeter} &= 4 + 5 + 8 + 3 + \\ &12 + 8 \\ &= 40 \text{ m} \end{aligned}$$



Area =

$$\text{Area 1} = 10 \times 5 = 50 \text{ m}^2$$

$$\text{Area 2} = 5 \times 4 = 20 \text{ m}^2$$

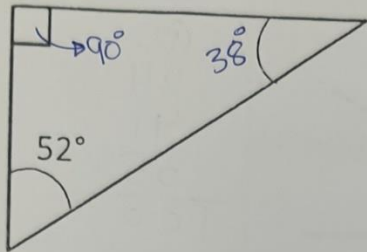
$$\text{Area 3} = 8 \times 4 = 32 \text{ m}^2$$

$$\text{Total Area} = 102 \text{ m}^2$$

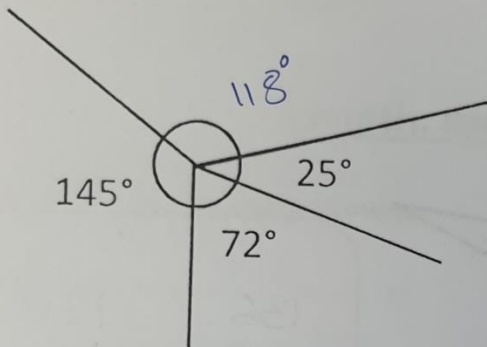
$$\begin{aligned} \text{Perimeter} &= 5 + 6 + 5 + 4 + 4 \\ &+ 8 + 14 + 10 \\ &= 56 \text{ m} \end{aligned}$$

Angles

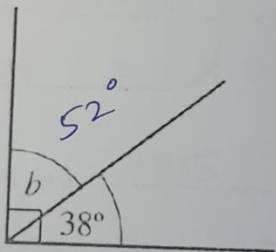
A Find the missing angle in each figure. (please show your work)



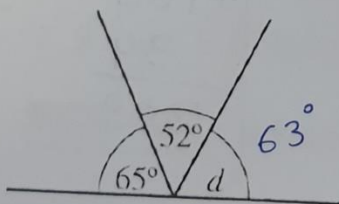
$$\begin{aligned}
 90 + 52 &= 142 \\
 180 - 142 &= 38 \\
 \hline
 \text{OR } 90 - 52 &= 38
 \end{aligned}$$



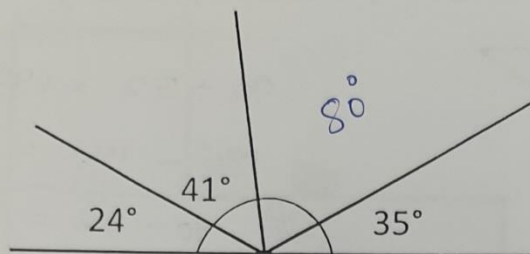
$$\begin{array}{r}
 \textcircled{1} \\
 145 \\
 + 72 \\
 \hline
 217 \\
 242
 \end{array}
 \rightarrow
 \begin{array}{r}
 360 \\
 - 242 \\
 \hline
 118
 \end{array}$$



$$90 - 38 = 52$$

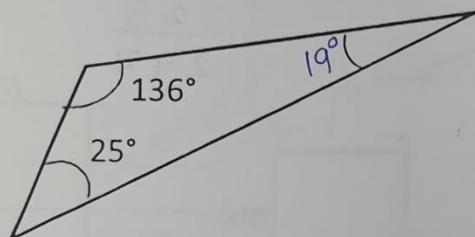


$$\begin{array}{r}
 65 \\
 + 52 \\
 \hline
 117
 \end{array}
 \quad
 \begin{array}{r}
 180 \\
 - 117 \\
 \hline
 63
 \end{array}$$



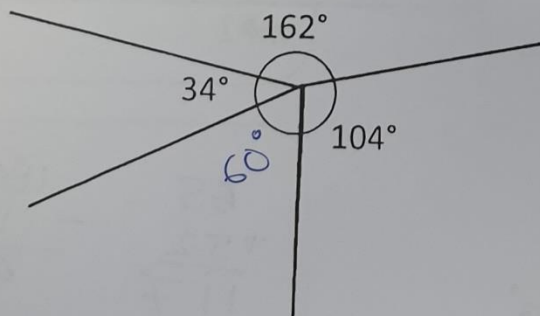
$$\begin{array}{r} \textcircled{1} \\ 24 \\ 41 \\ 35 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 180 \\ -100 \\ \hline 80 \end{array}$$



$$\begin{array}{r} 136 \\ +25 \\ \hline 161 \end{array}$$

$$\begin{array}{r} 180 \\ -161 \\ \hline 19^\circ \end{array}$$



$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 162 \\ +104 \\ 34 \\ \hline 300 \end{array}$$

$$\begin{array}{r} 360 \\ -300 \\ \hline 60^\circ \end{array}$$