Revision 3	Date	Topic
	wk beg. 17.05.21	Decimals

Time: 30 mins

Numbers in blue denote total mark awarded for each question.

Total mark: */ 36*

1. Complete the table below:

Percentage	Decimal	Fraction (in most simple form)
a. 75%	0.75	$\frac{3}{4}$
b. 10%	0.1	$\frac{1}{10}$
c. 25%	0.25	$\frac{1}{4}$
d. 70%	0.7	$\frac{7}{10}$
e. 60%	0.6	$\frac{3}{5}$
f. 30%	0.3	3/10

6

2. Copy and complete each sequence:

a. 0.2 $\overset{+0.2}{\wedge}$, 0.4 , 0.6 , 0.8, 1.0 , 1.2

b. 10.5 $\overset{-0.4}{\wedge}$, 10.1 , 9.7 , 9.3 , 8.9 , 8.5

c. 2.4 $\overset{+0.6}{\wedge}$, 3.0 , 3.6, 4.2 , 4.8 , 5.4

3

3. Write the number between:

a. 9.4 9.5 9.6

b. 10 10.1 10.2

c. 3.45 3.46 3.47

3

less than ◁ ▷ greater than

4. Write the correct symbol < or > between each set of numbers:

a. 9.0 > 0.9

b. $4\frac{7}{10}$ (4.7) < $4\frac{9}{10}$ (4.9)

c. $2\frac{1}{10}$ (2.1) > 2.0

3

5. Order these numbers starting with the *smallest:*

a. $3\frac{1}{10}$ (3.1) 3.3 3 2.9 — 2.9, 3, $3\frac{1}{10}$, 3.3

b. 2.12 $2\frac{45}{100}$ (2.45) 2.90 $2\frac{57}{100}$ (2.57) — 2.12, $2\frac{45}{100}$, $2\frac{57}{100}$, 2.9

c. 4.80 $4\frac{9}{10}$ (4.9) 4.75 $4\frac{34}{100}$ (4.34) — $4\frac{34}{100}$, 4.75, 4.8, $4\frac{9}{10}$

3

6. Round the following numbers to the nearest whole number:

a. 6.3 6

b. 7.9 8

c. 8.5 9

0-4 Round down

5-9 Round up

3

7. Increase: ▷ add

a. 2.8 by 0.6 3.4

$$\begin{array}{r} {}^{1}2.8 \\ +0.6 \\ \hline 3.4 \end{array}$$

b. 3.7 by 4.8 8.5

$$\begin{array}{r} 4.8 \\ +3.7 \\ \hline 8.5 \end{array}$$

c. 2 by 9.1 11.1

$$\begin{array}{r} 9.1 \\ 2.0 \\ \hline 11.1 \end{array}$$

3

8. Decrease: ▷ Subtract

a. 4.7 by 0.6 4.1

$$\begin{array}{r} 4.7 \\ -0.6 \\ \hline 4.1 \end{array}$$

b. 3.2 by 0.4 2.8

$$\begin{array}{r} {}^{2}\cancel{3}.{}^{1}2 \\ -0.4 \\ \hline 2.8 \end{array}$$

c. 10.3 by 3.8 6.5

$$\begin{array}{r} {}^{9}\cancel{10}.{}^{1}3 \\ -3.8 \\ \hline 6.5 \end{array}$$

3

9. This table shows the max temperature recorded in some cities.

Temperatures °C	
New York	40.2°C
Sydney	45.1°C *
Paris	39.7°C
London	38.5°C
Moscow	38.3°C *

→ subtract

a. What is the difference in temperature between the hottest city and the coldest city? Sydney Moscow

T U · t
4 5 · 1
- 3 8 · 3
0 6 · 8

6·8°C 1

b. In September, the temperature in Paris had dropped by 6.8°C. What was the temperature recorded in September?

T U · t
3 9 · 7
- 6 · 8
3 2 · 9

32.9°C 1

10. What is the value of the underlined digit?

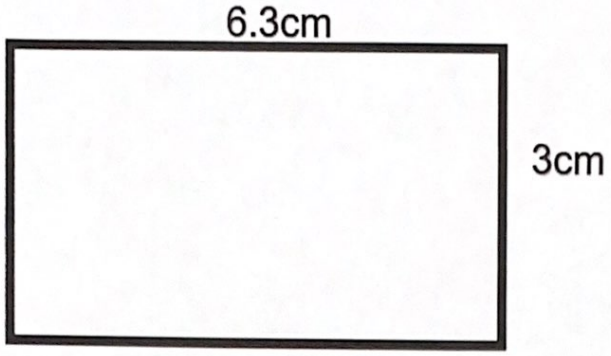
a. 9<u>2</u>3 20

b. 109. <u>7</u>2 0·7 or $\frac{7}{10}$

c. 4. 5<u>6</u> 0·06 or $\frac{6}{100}$

3

11. Look at the shape below.



Find the area of the shape. REMEMBER TO INCLUDE UNITS OF MEASUREMENT.

Area = length × breadth (width)

= 6.3cm × 3cm

= 18.9 cm^2

U . t
6 . 3
× 3
18 . 9

1

12. A school bus goes on a class trip. The bus uses 10.7 lires of petrol each hour. If it takes 4 hours for the bus to reach its destination, how much petrol does the bus use? GIVE YOUR ANSWER USING LITRES.

T U . t
1 0 . 7
× 2 4
4 2 . 8

42.8 l

1

13. A map has the following scale:

1cm = 6 kilometres

a. Two towns are 4.3 centimetres apart on a map. What is the actual distance between the two towns? Give your answer in kilometres.

U . t
4 . 3
× 6
2 5 . 8

25.8 km

1

b. Two restaurants are 24.6 kilometres apart. How far apart are the resturants on the map? Give your answer in centimetres.

6 km = 1 cm

24.6 km = 4.1 cm

$6\overline{)24.6}$ = 04 . 1 cm