

| 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% | | |
| b. | 0.1 | |
| c. | | $\frac{1}{4}$ |
| d. | 0.7 | |
| e. 60% | | |
| f. | | $\frac{3}{10}$ |

6

2. Copy and complete each sequence:

a. 0.2 , 0.4 , 0.6 , — , — , —

b. 10.5 , 10.1 , — , — , — , 8.5

c. 2.4 , 3.0 , — , 4.2 , — , —

3

3. Write the number between:

a. 9.4 — 9.6

b. 10 — 10.2

c. 3.45 — 3.47

3

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

a. 9.0 0.9

b. $4\frac{7}{10}$ $4\frac{9}{10}$

c. $2\frac{1}{10}$ 2

3

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

a. $3\frac{1}{10}$ 3.3 3 2.9

b. 2.12 $2\frac{45}{100}$ 2.9 $2\frac{57}{100}$

c. 4.8 $4\frac{9}{10}$ 4.75 $4\frac{34}{100}$

3

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

a. 6.3

b. 7.9

c. 8.5

3

7. Increase:

a. 2.8 by 0.6

b. 3.7 by 4.8

c. 2 by 9.1

3

8. Decrease:

a. 4.7 by 0.6

b. 3.2 by 0.4

c. 10.3 by 3.8

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 |

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

1

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

1

10. What is the value of the underlined digit?

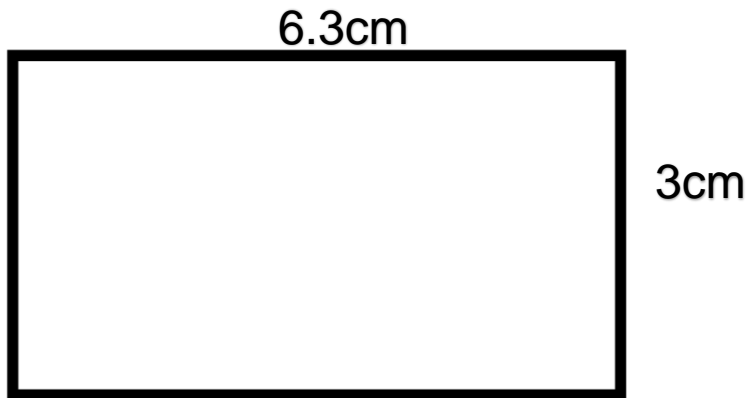
a. 923

b. 109. 72

c. 4. 56

3

11. Look at the shape below.



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

1

12. A school bus goes on a class trip. The bus uses 10.7 litres 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.

1

13. A map has the following scale:

$1\text{cm} = 6\text{ kilometres}$

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.

1

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

1