1

15.3g

14.8g

13.6g

16.2a

Miri

Fred

Kim

2

14.7g

13.2g

13.9g

11.5g

3

12.9g

15.0g

14.9g

13.4g

Ordering decimal numbers:

Jack measured four lengths of string. They measured 5.23m, 5.27m, 5.28m & 5.21m. Order these lengths of string, from shortest to longest.

5.21m, 5.23m, 5.27m & 5.28m Answer:

N3

Task 9

Jenny weighed five coins. They weighed 1.037g, 1.046g, 1.057g, 1.032g, 1.049g & 1.051g Order these weights from heaviest to lightest.

Answer: 1.057g, 1.051g, 1.049g, 1.046g, 1.037 & 1.032g

Order these decimals from smallest to largest.

- 1. 2.6, 5.7, 1.9, 8.4, 7.3, 4.9, 6.7, 7.7
- 3. 5.7, 5.8, 5.3, 5.6, 5.4, 5.9, 5.1
- 5. 2.34, 2.45, 2.16, 2.75, 2.47, 2.27, 2.54
- 7. 1.126, 1.352, 1.245, 1.342, 1.049, 1.276, 1.165

The results of a 100m race is shown in this table.

- 9. What was Shane's time?
- Name the runners who came 1st, 2nd and 3rd. 10
- 11. Order these times from fastest to slowest time.
- 12. What was the difference between the fastest and slowest time?

- 2. 1.2, 2.4, 1.6, 2.0, 1.8, 0.9, 2.1, 1.9
- 4. 1.08, 1.07, 1.02, 1.06, 1.01, 1.05, 1.09
- 12.56, 13.75, 11.98, 12.84, 13.24, 12.67 6.
- 8. 9.532, 9.842, 9.325, 9.348, 9.428, 9.468

Please DO NOT write on the sheets

Runner	Time (seconds)
David	13.6
Andrew	13.7
Rangi	12.6
John	13.9
Quentin	12.9
Shane	13.0
Bevan	13.4
Sam	14.1

Karen competed in a high jump competition. She was allowed six jumps and these were her results, 1.53m, 1.27m, 1.61m, 1.42m, 1.35m & 1.50m.

- What was the height of her worst jump? 13.
- 14. What was the height of her 5th jump?
- Place her jump heights in order of highest to lowest jump. 15.
- 16. What was the difference between her best and worst jump?

In a tomato growing competition, pupils were allowed to enter three tomatoes. Each tomato was weighed and the results are shown in this table.

- 17. What was the weight of the heaviest tomato?
- 18. What was the weight of the lightest tomato?
- 19. List all the tomato weights in order from lightest to heaviest.
- For each pupil, add up their three tomato weights. 20.
- 21. List your four totals in order of largest to smallest.

In a cycling race, the following times were recorded for the 1 kilometre distance.

1min 5.6sec, 1min 7.2sec, 1min 6.4sec, 1min 7.0sec, 1min 5.9sec, 1min 6.7sec

22. List these times in order from slowest to fastest.









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Please **DO NOT** write on the sheets

Task 10

Using the digits and decimal point in the box make ...

- 1. the 3-digit number closest to 60.
- 2. the 4-digit even number closest to 70.
- the 2-digit odd number closest to 8. 4.
- the 4-digit number closest to 7. 6.
- the 5-digit even number closest to 2. 8.
- 10. Using all digits, make the first 5 numbers between 25 and 30. Start with the smallest number first.

Renaming numbers using decimals:

A good example of renaming whole numbers as decimals is when using money. Example: \$2.00 could be renamed as \$0.50 + \$0.50 + \$0.50 + \$0.20 + \$0.20 + \$0.10

Renaming whole numbers is not difficult. *Example:* 12 could be renamed as 0 + 12, 10 + 2, 14 - 2, $24 \div 2$, 4×3 or 6×2 etc.

> Renaming a number using decimals requires more effort. *Example:* 12 could be renamed as 9.8 + 2.2, 15.8 - 3.8, 2.5 × 4.8 or 38.4 ÷ 3.2 etc.

Using a calculator can make this task less difficult.

Task 11

Rewrite each of these money values, three different ways, using \$2.00, \$1.00, 50 cent, 20 cent, 10 cent or 5 cent coins. Example: \$7.00 = 3 x \$2.00 + \$1.00 coins

1.	50 cents	2.	80 cents	3.	\$1.00	4.	\$1.50
5.	\$2.00	6.	\$2.40	7.	\$3.00	8.	\$3.60
9.	\$4.80	10.	\$5.00	11.	\$6.00	12.	\$10.00

Rename each number **four times** as decimal numbers, using the four operations $(+, -, \times \text{ and } \div)$. Use a calculator if needed. Example: 1 = 0.6 + 0.4, 1 = 1.52 - 0.52, 1 = 2.0 × 0.5, 1 = 2.64 ÷ 2.64

13.	2	14.	4	15.	5	16.	7
17.	8	18.	10	19.	12	20.	15
21.	20	22.	25	23.	50	24.	100

Creating decimal numbers:

Using the five digits in this box and a decimal point, Answer: 29.754

Using the same digits and decimal point, create five numbers between 50 and 40, starting with the largest number first. Each number is to have two decimal places.

Answer: 49.75, 49.72, 49.57, 49.52, 49.27, etc.

N₃

Using the five digits in this box and a deciliar p	
create the largest number closest to 30.	

2	6	7	5	0	0

- 3. the 4-digit even number closest to 250.
- the 3-digit odd number closest to 30. 5.
- 7. the 5-digit number closest to 50.
- 9. the 5-digit odd number closest to 1.













7

9

5



2

4