

Q4-Q5 (Problem Solving) Day 115 Name: _____

1. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **10 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **2 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **26 points**. **Pupil 3** has **4 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same game (pupil 4 and pupil 5)**.

c) **Pupil 4** collects **90 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **6 points** to get their **first prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

2. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **20 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **5 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **65 points**. **Pupil 3** has **5 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **140 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **13 points** to get their **first prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

3. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **30 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **3 prizes**. **How many points** have they collected?

Write your answer in the space below.

_____ points

b) **Pupil 2** has **149 points**. **Pupil 3** has **7 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **210 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **14 points** to get their **first prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

4. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **40 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **7 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **63 points**. **Pupil 3** has **3 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **440 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **23 points** to get their **first prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

5. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **15 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **9 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **82 points**. **Pupil 3** has **9 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **180 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **18 points** to get their **second prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

6. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **35 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **4 prizes**. **How many points** have they collected?

Write your answer in the space below.

_____ points

b) **Pupil 2** has **137 points**. **Pupil 3** has **8 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **315 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **26 points** to get their **second prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

7. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **45 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **8 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **362 points**. **Pupil 3** has **10 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **225 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **67 points** to get their **second prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

8. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **55 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **11 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **467 points**. **Pupil 3** has **12 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **330 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **43 points** to get their **second prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

9. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **65 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **12 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **199 points**. **Pupil 3** has **13 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **520 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **119 points** to get their **third prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

10. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **75 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **15 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **543 points**. **Pupil 3** has **12 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **525 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **177 points** to get their **third prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

11. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **85 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **13 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **194 points**. **Pupil 3** has **14 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **935 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **191 points** to get their **third prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

12. Three pupils are playing a **game in school (pupil 1, pupil 2 and pupil 3)**. In the game, for every **95 points** you collect, you are given a **prize from the teacher**.

a) **Pupil 1** has enough for **21 prizes**. **How many points** have they collected? Write your answer in the space below.

_____ points

b) **Pupil 2** has **813 points**. **Pupil 3** has **16 prizes**. How many **more** points has **pupil 3** than **pupil 2**? Write your answer in the space below.

_____ points

Two other pupils in the class are playing the **same** game (**pupil 4 and pupil 5**).

c) **Pupil 4** collects **570 points**. **How many prizes** are they given? Write your answer in the space below.

_____ prizes

d) When **pupil 5** finishes the game, they need **178 points** to get their **fourth prize**. **How many points** have they collected? Write your answer in the space below.

_____ points

Answers

- | | | | |
|------------|--------|-------|--------|
| 1. a) 20 | b) 14 | c) 9 | d) 4 |
| 2. a) 100 | b) 35 | c) 7 | d) 7 |
| 3. a) 90 | b) 61 | c) 7 | d) 16 |
| 4. a) 280 | b) 57 | c) 11 | d) 17 |
| 5. a) 135 | b) 53 | c) 12 | d) 12 |
| 6. a) 140 | b) 143 | c) 9 | d) 44 |
| 7. a) 360 | b) 88 | c) 5 | d) 23 |
| 8. a) 605 | b) 193 | c) 6 | d) 67 |
| 9. a) 780 | b) 646 | c) 8 | d) 76 |
| 10.a) 1125 | b) 357 | c) 7 | d) 48 |
| 11.a) 1105 | b) 996 | c) 11 | d) 64 |
| 12.a) 1995 | b) 707 | c) 6 | d) 202 |