# Categorical data and two-way tables worksheet – Grade 6

Grade 6 · Mixed level · 20 questions · **Version X5821**

Name: _____ Date: _____ Score: ___ / 20

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Done the worksheet? Scan the code (or enter version X5821 on this skill's page at themathmeridian.com) to check your answers online and earn stars.

1. How many chose No pet altogether?

**Pets at home**

| | Has a pet | No pet | Total |
|---|---|---|---|
| Class A | 23 | 20 | 43 |
| Class B | 8 | 14 | 22 |
| Total | 31 | 34 | 65 |

Answer: _____

2. How many are in Grade 7 altogether?

**After-school activity**

| | Sports | Music | Total |
|---|---|---|---|
| Grade 6 | 14 | 23 | 37 |
| Grade 7 | 26 | 22 | 48 |
| Total | 40 | 45 | 85 |

Answer: _____

3. How many chose Music altogether?

**After-school activity**

| | Sports | Music | Total |
|---|---|---|---|
| Grade 6 | 18 | 10 | 28 |
| Grade 7 | 10 | 22 | 32 |
| Total | 28 | 32 | 60 |

Answer: _____

4. How many are in Boys altogether?

**Lunch choice**

| | Hot lunch | Packed lunch | Total |
|---|---|---|---|
| Girls | 20 | 11 | 31 |
| Boys | 6 | 11 | 17 |
| Total | 26 | 22 | 48 |

Answer: _____

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5. How many people are in the table?

**After-school activity**

| | Sports | Music | Total |
|---|---|---|---|
| Grade 6 | 30 | 21 | 51 |
| Grade 7 | 28 | 6 | 34 |
| Total | 58 | 27 | 85 |

Answer: _____

6. How many in Girls chose Hot lunch?

**Lunch choice**

| | Hot lunch | Packed lunch | Total |
|---|---|---|---|
| Girls | 8 | 27 | 35 |
| Boys | 17 | 14 | 31 |
| Total | 25 | 41 | 66 |

Answer: _____

7. How many are in Class B altogether?

**Pets at home**

| | Has a pet | No pet | Total |
|---|---|---|---|
| Class A | 19 | 26 | 45 |
| Class B | 16 | 7 | 23 |
| Total | 35 | 33 | 68 |

Answer: _____

8. What fraction of Class A chose Has a pet? Write it in lowest terms.

**Pets at home**

| | Has a pet | No pet | Total |
|---|---|---|---|
| Class A | 26 | 29 | 55 |
| Class B | 12 | 28 | 40 |
| Total | 38 | 57 | 95 |

Answer: _____

9. What fraction of everyone chose Packed lunch? Write it in lowest terms.

**Lunch choice**

| | Hot lunch | Packed lunch | Total |
|---|---|---|---|
| Girls | 18 | 9 | 27 |
| Boys | 21 | 22 | 43 |
| Total | 39 | 31 | 70 |

Answer: _____

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10. How many more in Afternoon than in Morning chose Bus?

**How they travel**

| | Bus | Walk | Total |
|---|---|---|---|
| Morning | 8 | 27 | 35 |
| Afternoon | 24 | 15 | 39 |
| Total | 32 | 42 | 74 |

Answer: _____

11. How many more in Grade 7 than in Grade 6 chose Sports?

**After-school activity**

| | Sports | Music | Total |
|---|---|---|---|
| Grade 6 | 27 | 21 | 48 |
| Grade 7 | 30 | 29 | 59 |
| Total | 57 | 50 | 107 |

Answer: _____

12. What fraction of everyone chose No pet? Write it in lowest terms.

**Pets at home**

| | Has a pet | No pet | Total |
|---|---|---|---|
| Class A | 27 | 25 | 52 |
| Class B | 10 | 8 | 18 |
| Total | 37 | 33 | 70 |

Answer: _____

13. What fraction of Girls chose Hot lunch? Write it in lowest terms.

**Lunch choice**

| | Hot lunch | Packed lunch | Total |
|---|---|---|---|
| Girls | 11 | 14 | 25 |
| Boys | 24 | 29 | 53 |
| Total | 35 | 43 | 78 |

Answer: _____

14. How many more in Girls than in Boys chose Hot lunch?

**Lunch choice**

| | Hot lunch | Packed lunch | Total |
|---|---|---|---|
| Girls | 14 | 15 | 29 |
| Boys | 13 | 26 | 39 |
| Total | 27 | 41 | 68 |

Answer: _____

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15. One person from Morning is picked at random. What is the probability they chose Walk? Write it in lowest terms.

**How they travel**

| | Bus | Walk | Total |
|---|---|---|---|
| Morning | 17 | 17 | 34 |
| Afternoon | 6 | 20 | 26 |
| Total | 23 | 37 | 60 |

Answer: _____

16. One person from Class A is picked at random. What is the probability they chose No pet? Write it in lowest terms.

**Pets at home**

| | Has a pet | No pet | Total |
|---|---|---|---|
| Class A | 22 | 20 | 42 |
| Class B | 18 | 29 | 47 |
| Total | 40 | 49 | 89 |

Answer: _____

17. How many people did not choose Hot lunch and are not in Girls?

**Lunch choice**

| | Hot lunch | Packed lunch | Total |
|---|---|---|---|
| Girls | 22 | 30 | 52 |
| Boys | 28 | 6 | 34 |
| Total | 50 | 36 | 86 |

Answer: _____

18. How many people did not choose Bus and are not in Morning?

**How they travel**

| | Bus | Walk | Total |
|---|---|---|---|
| Morning | 10 | 13 | 23 |
| Afternoon | 15 | 24 | 39 |
| Total | 25 | 37 | 62 |

Answer: _____

19. How many people did not choose Has a pet and are not in Class A?

**Pets at home**

| | Has a pet | No pet | Total |
|---|---|---|---|
| Class A | 15 | 14 | 29 |
| Class B | 20 | 30 | 50 |
| Total | 35 | 44 | 79 |

Answer: _____

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20. Which row has the greater share choosing Sports?

**After-school activity**

| | Sports | Music | Total |
|---|---|---|---|
| Grade 6 | 10 | 16 | 26 |
| Grade 7 | 15 | 30 | 45 |
| Total | 25 | 46 | 71 |

**A.** Grade 6 **B.** Grade 7

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# Answer key · Version X5821

Categorical data and two-way tables worksheet – Grade 6 · Grade 6 · to reprint this sheet or check the answers, enter X5821 on the skill page.

1. **34**
2. **48**
3. **32**
4. **17**
5. **85**
6. **8**
7. **23**
8. **26/55**
9. **31/70**
10. **16**
11. **3**
12. **33/70**
13. **11/25**
14. **1**
15. **1/2**
16. **10/21**
17. **6**
18. **24**
19. **30**
20. **A (Grade 6)**

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