

Homework/Extension

Step 3: Tables

National Curriculum Objectives:

Mathematics Year 3: (3S1) [Interpret and present data using bar charts, pictograms and tables](#)

Mathematics Year 3: (3S2) [Solve one-step and two-step questions \[for example, 'How many more?' and 'How many fewer?'\] using information presented in scaled bar charts and pictograms and tables](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify which statements are true using information from the table. Table includes up to two headings. Includes one-step problems.

Expected Identify which statements are true using information from the table. Table includes multiple headings. Includes one and two-step problems.

Greater Depth Identify which statements are true using information from the table. Table includes multiple headings. Includes multi-step problems and some data is omitted from the table.

Questions 2, 5 and 8 (Varied Fluency)

Developing Decide whether a statement is correct, using information from the table. Table includes one heading. Includes a one-step problem.

Expected Decide whether a statement is correct, using information from the table. Table includes multiple headings. Includes a two-step problem.

Greater Depth Decide whether a statement is correct, using information from the table. Table includes multiple headings. Includes multi-step problems and some data is omitted from the table.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain who is correct, using information from the table. Table includes up to two headings. Includes one-step problems.

Expected Explain who is correct, using information from the table. Table includes multiple headings. Includes two-step problems.

Greater Depth Explain who is correct, using information from the table. Table includes multiple headings. Includes multi-step problems and some data is omitted from the table.

More [Year 3 Statistics](#) resources.

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Tables

1. Children at Bostin Academy have voted for their favourite after-school clubs and the results are shown in the table below.

	Mask making club	Poetry club
Girls	16	8
Boys	21	23

Circle the statements below which are true, using information from the table.

A. More girls chose mask making club.

B. 23 boys voted for poetry club.

C. An odd number of boys chose mask making club.

D. 18 girls voted for poetry club.



VF
HW/Ext

2. The school council asked three teachers how many books they had read this year.

	Number of books read so far this year
Mrs Hayes	11
Mr Edward	3
Miss Morgan	14

Mr Martin said,



Miss Morgan has read thirteen books so far this year.

Is he correct?



VF
HW/Ext

3. Children voted for their favourite piece of playground equipment.

	Frisbees	Dance mat
6 years old	21	15
10 years old	7	12



Heather

Seven 10 year olds chose frisbees as their favourite piece of equipment.

Twelve 6 year olds voted for the dance mat in total.



Milo

Who do you agree with? Explain how you know.



RPS
HW/Ext

Tables

4. Pupils at Rose Valley School have voted for their favourite vlogger. The results from the survey are shown in the table below.

	BKM Toys	BabyFeet	GilesGamer	EvianTube	BoJo Sika
Boys	23	19	36	41	0
Girls	11	14	7	21	31

Circle the statements below which are true, using information from the table.

A. Thirty-five fewer girls took part in this survey in total.

B. The difference between the votes for EvianTube is an odd number.

C. The totals of two vloggers' votes both have a digit sum of 7.

D. Twenty-nine more boys chose GilesGamer.

E. EvianTube had more votes than BabyFeet and GilesGamer combined.



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HW/Ext

5. Mrs Marsh asked the children at Kids' Club to vote for their favourite game.

	Junga	Munecraft	Ono	Crewball	Whisk	Monokogy
4 – 6	13	1	2	27	6	0
7 – 9	19	21	0	8	13	1
10 – 12	4	36	8	2	5	29

Miss Marsh says,



The difference between the top two games in the age 10 – 12 group is twice as large as the difference between the top two games in the age 4 – 6 group.

Is she correct?



VF
HW/Ext

6. The passengers on a luxury cruise chose their favourite meal for their final dinner.

	Beef stew	Roast turkey	Octopus	Salmon	Tagliatelle
First-time passengers	17	15	4	22	11
Regular passengers	33	24	19	10	14



The chefs need to make the same amount of octopus as salmon.

The chefs need to make twice as much beef stew as tagliatelle.



Who do you agree with? Explain how you know.



RPS
HW/Ext

Tables

7. New Earth Academy have voted for their favourite star sign. The results from the survey are shown in the table below.

	Leo	Taurus	Aries	Libra	Other	Total
Pupils	52	31	19	12	27	128
Parents	39	14	19	2	31	105
Staff	9	2	5	11	15	42

Circle the statements below which are true, using information from the table.

A. Four more people voted for Taurus and Aries in total than the number of people that voted for a star sign that isn't named on the table.

B. The number of staff who chose Leo added to the pupils that chose Aries is seven times less than the total number of parents that were surveyed.

C. The combined number of parents who chose Aries, staff who chose 'Other' and pupils that chose Leo equals the difference between the number of pupils and staff that voted.



VF
HW/Ext

8. Mrs Patel asked residents of Leminstone to vote for their dream holiday destination.

	Croatia	Turkey	Japan	Morocco	Jamaica	Israel	Total
Children	12	8	6	1	11	0	40
Teenagers	2	12	17	3	13	6	53
Adults	21	5	14	6	14	16	76

Mrs Patel says,



The total number of people surveyed has the same digit sum as the total number of children and teenagers who voted for Turkey combined with the number of adults that voted for Japan.

Is she correct?



VF
HW/Ext

9. The guests at Jenny's birthday party voted for their favourite takeaway.

	Fish	Burger	Pizza	Kebab	Sushi	Curry	Total
Boys	10	13	18	2	3	18	50
Girls	4	0	19	7	11	7	41



Poppy

Pizza is the clear winner as it received the highest number of votes out of all the takeaways shown in the table.

If we order a mixture of fish, kebabs and sushi, an equal amount of boys and girls will be happy overall.



Winston

Who do you agree with? Explain how you know.



RPS
HW/Ext

Homework/Extension

Tables

Developing

1. B and C should be circled.
2. Mr Martin is incorrect as Miss Morgan has read 14 books.
3. Heather is correct as according to the table, seven 10 year old children voted for frisbees.

Expected

4. A, C and D should be circled.
5. Miss Marsh is incorrect as the difference between the top two games in the age 4 – 6 group is 14 whereas the difference between the top two games in the age 10 – 12 group is 7; 7 is not twice as large as 14.
6. Sian is correct as in total, 50 passengers chose beef stew compared to 25 passengers that chose tagliatelle. 50 is twice as much as 25.

Greater Depth

7. A, B and C should all be circled.
8. Mrs Patel is correct because the total number of people surveyed was 164 which has a digit sum of 11. In total, 20 children and teenagers voted for Turkey which when added to the 9 adults that voted for Japan, makes 29; 29 also has a digit sum of 11.
9. Winston is correct because 15 boys and 15 girls will be happy if they order a mixture of fish, kebabs and sushi.