THE STRIVING

# MUSLIM ACADEMY

Islamic and Academic Education

STAGE 3 · MATHEMATICS · PRACTICE PACK

# Statistics

*Year 3 of the national curriculum. Every question is worked through at the back, step by step, not just answered.*

WHAT IS INSIDE

- Reading a scaled pictogram
- How many more, how many fewer
- Totals from a table
- How each one is worked

**The Striving Muslim Academy**

3 sets · a hint on every question

Written for a parent teaching at home. No training assumed, and nothing else to buy.

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# How many more, how many fewer

These get harder as you go down. Do them in order.



1. **The bar chart shows which fruit each child chose. How many more chose oranges than apples?**

| FRUIT | CHILDREN |
|---|---|
| apples | 13 |
| bananas | 26 |
| oranges | 39 |
| mangoes | 29 |

*Find the tallest bar and the shortest, then take one from the other.*

2. **The bar chart shows which pet each child chose. How many more chose dogs than fish?**

| PET | CHILDREN |
|---|---|
| cats | 13 |
| dogs | 30 |
| birds | 10 |
| fish | 8 |

*Find the tallest bar and the shortest, then take one from the other.*

3. **The bar chart shows which colour each child chose. How many more chose blue than red?**

| COLOUR | CHILDREN |
|---|---|
| red | 17 |
| blue | 30 |
| green | 22 |
| yellow | 18 |

*Find the tallest bar and the shortest, then take one from the other.*

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# How many more, how many fewer, continued



4. **The bar chart shows which drink each child chose. How many more chose tea than water?**

| DRINK | CHILDREN |
|---|---|
| water | 6 |
| milk | 30 |
| juice | 22 |
| tea | 37 |

*Find the tallest bar and the shortest, then take one from the other.*

5. **The bar chart shows which sport each child chose. How many more chose swimming than running?**

| SPORT | CHILDREN |
|---|---|
| football | 24 |
| running | 18 |
| swimming | 27 |
| cycling | 21 |

*Find the tallest bar and the shortest, then take one from the other.*

6. **The bar chart shows which flower each child chose. How many more chose tulips than roses?**

| FLOWER | CHILDREN |
|---|---|
| roses | 24 |
| lilies | 27 |
| daisies | 29 |
| tulips | 37 |

*Find the tallest bar and the shortest, then take one from the other.*

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# How each one is worked

Every answer here was calculated, not typed. If you find one that is wrong, tell us and we will correct the pack and send it to everybody who has it.



## READING A SCALED PICTOGRAM

**1. The pictogram shows books read. How many for Monday?**

1. Count the circles on the Monday row: 1.
2. Each circle stands for 2.
3. 1 × 2 = 2.

Answer: **2**

**2. The pictogram shows letters posted. How many for Week 2?**

1. Count the circles on the Week 2 row: 2.
2. Each circle stands for 5.
3. 2 × 5 = 10.

Answer: **10**

**3. The pictogram shows goals scored. How many for Blue team?**

1. Count the circles on the Blue team row: 1.
2. Each circle stands for 10.
3. 1 × 10 = 10.

Answer: **10**

**4. The pictogram shows trees planted. How many for Summer?**

1. Count the circles on the Summer row: 2.
2. Each circle stands for 2.
3. 2 × 2 = 4.

Answer: **4**

**5. The pictogram shows apples picked. How many for Hafsa?**

1. Count the circles on the Hafsa row: 4.
2. Each circle stands for 5.
3. 4 × 5 = 20.

Answer: **20**

**6. The pictogram shows buses counted. How many for 10:00?**

1. Count the circles on the 10:00 row: 1.
2. Each circle stands for 10.
3. 1 × 10 = 10.

Answer: **10**

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SAMPLE PAGES

# You have read a few pages. The pack is longer.

What you are holding is a short sample, taken from different parts of the pack so that you can see how a week is planned and what a child is actually asked to do, before you decide.

The complete pack, and the rest of the academic materials, are on our website: schemes of work for a parent teaching at home, and practice packs for the skills children get stuck on.

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Islamic and Academic Education

**Members of the homeschool community do not buy these.** If you have joined the community, the pack for the term you are working on is given to you at no cost.

Our Islamic Education classes are free. These packs are part of what pays the teachers who teach them.