THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 2 · MATHEMATICS · PRACTICE PACK

Measurement

Year 2 of the national curriculum. Every question is worked through at the back, step by step, not just answered.

WHAT IS INSIDE

- Choosing the right unit
- Reading a thermometer
- Comparing measurements
- Giving change
- Telling the time to five minutes
- Minutes in an hour, hours in a day
- How each one is worked

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6 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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Reading a thermometer

These get harder as you go down, so do them in order.



1. **A thermometer reads 0°C. Write it in words.**
   Write the number 0 as a word, then add degrees Celsius.

2. **A thermometer reads 5°C. Write it in words.**
   Write the number 5 as a word, then add degrees Celsius.

3. **A thermometer reads 20°C. Write it in words.**
   Write the number 20 as a word, then add degrees Celsius.

4. **A thermometer reads 37°C. Write it in words.**
   Write the number 37 as a word, then add degrees Celsius.

5. **A thermometer reads 100°C. Write it in words.**
   Write the number 100 as a word, then add degrees Celsius.

6. **A thermometer reads 12°C. Write it in words.**
   Write the number 12 as a word, then add degrees Celsius.

7. **A thermometer reads 30°C. Write it in words.**
   Write the number 30 as a word, then add degrees Celsius.

8. **A thermometer reads 2°C. Write it in words.**
   Write the number 2 as a word, then add degrees Celsius.

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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.



CHOOSING THE RIGHT UNIT

1. Would you measure the length of a pencil in cm or m?

1. Think about how big the length of a pencil really is.
2. A pencil is shorter than a ruler, so metres would be a tiny fraction of one.
3. So you would measure it in cm.

Answer: **cm**

2. Would you measure the height of a door in m or cm?

1. Think about how big the height of a door really is.
2. A door is about two metres, which is simpler than saying two hundred centimetres.
3. So you would measure it in m.

Answer: **m**

3. Would you measure the mass of an apple in g or kg?

1. Think about how big the mass of an apple really is.
2. An apple is much lighter than a bag of rice.
3. So you would measure it in g.

Answer: **g**

4. Would you measure the mass of a small child in kg or g?

1. Think about how big the mass of a small child really is.
2. A child weighs tens of kilograms, which would be tens of thousands of grams.
3. So you would measure it in kg.

Answer: **kg**

5. Would you measure the water in a teaspoon in ml or litres?

1. Think about how big the water in a teaspoon really is.
2. A teaspoon holds only a few millilitres.
3. So you would measure it in ml.

Answer: **ml**

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How each one is worked, continued

GIVING CHANGE, CONTINUED



7. A pencil costs 5p. You pay with 50p. How much change?

1. Change is what is left after paying.
2. Count on from 5p: to the next ten is 5p.
3. 50p − 5p = 45p.
4. The change is 45p.

Answer: **45p**

8. A pencil costs 28p. You pay with 100p. How much change?

1. Change is what is left after paying.
2. Count on from 28p: to the next ten is 2p.
3. 100p − 28p = 72p.
4. The change is 72p.

Answer: **72p**

TELLING THE TIME TO FIVE MINUTES

1. The hour hand is just past 2 and the minute hand is on 5 minutes. What is the time?

1. The minute hand is at 5 minutes.
2. 5 is before or at halfway, so the time is read past the hour.
3. So the time is 5 minutes past 2.

Answer: **5 minutes past 2**

2. The hour hand is just past 4 and the minute hand is on 15 minutes. What is the time?

1. The minute hand is at 15 minutes.
2. 15 is before or at halfway, so the time is read past the hour.
3. So the time is quarter past 4.

Answer: **quarter past 4**

3. The hour hand is just past 7 and the minute hand is on 30 minutes. What is the time?

1. The minute hand is at 30 minutes.
2. 30 is before or at halfway, so the time is read past the hour.
3. So the time is half past 7.

Answer: **half past 7**

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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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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.