THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 1 · MATHEMATICS · PRACTICE PACK

Geometry properties of shapes

Year 1 of the national curriculum. Every question is worked through at the back, step by step, not just answered.

WHAT IS INSIDE

- Sides of flat shapes
- Name the shape
- How each one is worked

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2 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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Name the shape

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



1. **I am round and flat, with no corners at all. What am I?**
   No corners at all is the part that gives it away.

2. **I have three straight sides. What am I?**
   Three sides. The name of this one begins with tri.

3. **I have four sides, all the same length. What am I?**
   All four the same length, not just four sides.

4. **I have four sides, two long and two short. What am I?**
   Four sides again, but this time they are not all equal.

5. **I am a solid box with six square faces. What am I?**
   Solid, so you could hold it. Six faces and all square.

6. **I am a solid box with six faces, and they are not all square. What am I?**
   Like the one before, but stretched out longer.

7. **I am round all over, like a ball. What am I?**
   Round all over, not round and flat.

8. **I have a square bottom and I come to a point at the top. What am I?**
   Think of the pyramids in Egypt, and say what the bottom is.

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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.



SIDES OF FLAT SHAPES

1. How many sides does a triangle have?

1. Draw a triangle.
2. Count the straight sides, one at a time, and mark each one.
3. A triangle has 3 sides.

Answer: **3**

2. How many sides does a square have?

1. Draw a square.
2. Count the straight sides, one at a time, and mark each one.
3. A square has 4 sides.

Answer: **4**

3. How many sides does a rectangle have?

1. Draw a rectangle.
2. Count the straight sides, one at a time, and mark each one.
3. A rectangle has 4 sides.

Answer: **4**

4. How many sides does a pentagon have?

1. Draw a pentagon.
2. Count the straight sides, one at a time, and mark each one.
3. A pentagon has 5 sides.

Answer: **5**

5. How many sides does a hexagon have?

1. Draw a hexagon.
2. Count the straight sides, one at a time, and mark each one.
3. A hexagon has 6 sides.

Answer: **6**

6. How many sides does a heptagon have?

1. Draw a heptagon.
2. Count the straight sides, one at a time, and mark each one.
3. A heptagon has 7 sides.

Answer: **7**

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How each one is worked, continued

SIDES OF FLAT SHAPES, CONTINUED



7. How many sides does a octagon have?

1. Draw a octagon.
2. Count the straight sides, one at a time, and mark each one.
3. A octagon has 8 sides.

Answer: **8**

8. How many sides does a decagon have?

1. Draw a decagon.
2. Count the straight sides, one at a time, and mark each one.
3. A decagon has 10 sides.

Answer: **10**

NAME THE SHAPE

1. I am round and flat, with no corners at all. What am I?

1. Read the clue again: i am round and flat, with no corners at all.
2. Picture the shape, or find one in the room and hold it.
3. It is a circle.

Answer: **circle**

2. I have three straight sides. What am I?

1. Read the clue again: i have three straight sides.
2. Picture the shape, or find one in the room and hold it.
3. It is a triangle.

Answer: **triangle**

3. I have four sides, all the same length. What am I?

1. Read the clue again: i have four sides, all the same length.
2. Picture the shape, or find one in the room and hold it.
3. It is a square.

Answer: **square**

4. I have four sides, two long and two short. What am I?

1. Read the clue again: i have four sides, two long and two short.
2. Picture the shape, or find one in the room and hold it.
3. It is a rectangle.

Answer: **rectangle**

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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.