THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 6 · MATHEMATICS · PRACTICE PACK

Number
number and place value

Year 6 of the national curriculum. Every question is worked through at the back, step by step, not just answered.

WHAT IS INSIDE

- Place value: what each digit is worth
- Rounding
- Counting back through zero
- How each one is worked

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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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Place value: what each digit is worth

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



1. **What is the value of the 0 in 92,002?**
   It is the 2nd digit from the right.

2. **What is the value of the 9 in 29,195?**
   It is the 2nd digit from the right.

3. **What is the value of the 2 in 69,240?**
   It is the 3rd digit from the right.

4. **What is the value of the 6 in 792,565?**
   It is the 2nd digit from the right.

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Quick check

One right answer each. Ring the letter. These are for seeing what has stuck, so do them without working anything out on paper.



1. **What is the value of the 7 in 87,790,030?**
   (A) 200 (B) 700,000 (C) 3,300 (D) −8

2. **What is the value of the 9 in 29,195?**
   (A) 200,000 (B) 90 (C) 810,000 (D) 83,000,000

3. **What is the value of the 0 in 92,002?**
   (A) −8 (B) 700,000 (C) 90 (D) 0

4. **Round 7,924,671 to the nearest 100,000.**
   (A) 83,000,000 (B) 85,000 (C) 7,900,000 (D) 55,000

5. **5 − 7**
   (A) 30,000 (B) 7,900,000 (C) −1 (D) −2

6. **1 − 4**
   (A) −4 (B) −8 (C) 83,000,000 (D) −3

7. **Round 612,779 to the nearest 100,000.**
   (A) 60 (B) 85,000 (C) 3,300 (D) 600,000

8. **Round 85,021 to the nearest 1,000.**
   (A) −1 (B) 700,000 (C) −3 (D) 85,000

9. **Round 55,231 to the nearest 1,000.**
   (A) 85,000 (B) −1 (C) 55,000 (D) −4

10. **What is the value of the 3 in 8,232,851?**
    (A) 90 (B) 60 (C) 30,000 (D) 85,000

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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.



PLACE VALUE: WHAT EACH DIGIT IS WORTH

1. What is the value of the 0 in 92,002?

1. Write the number in columns: 92,002.
2. The 0 is in the tens column.
3. So it is worth 0 × 10 = 0.

Answer: **0**

2. What is the value of the 9 in 29,195?

1. Write the number in columns: 29,195.
2. The 9 is in the tens column.
3. So it is worth 9 × 10 = 90.

Answer: **90**

3. What is the value of the 2 in 69,240?

1. Write the number in columns: 69,240.
2. The 2 is in the hundreds column.
3. So it is worth 2 × 100 = 200.

Answer: **200**

4. What is the value of the 6 in 792,565?

1. Write the number in columns: 792,565.
2. The 6 is in the tens column.
3. So it is worth 6 × 10 = 60.

Answer: **60**

5. What is the value of the 6 in 723,161?

1. Write the number in columns: 723,161.
2. The 6 is in the tens column.
3. So it is worth 6 × 10 = 60.

Answer: **60**

6. What is the value of the 3 in 8,232,851?

1. Write the number in columns: 8,232,851.
2. The 3 is in the ten thousands column.
3. So it is worth 3 × 10,000 = 30,000.

Answer: **30,000**

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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.