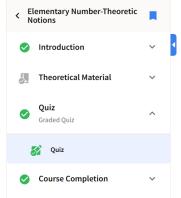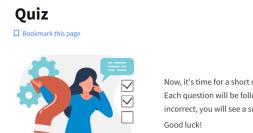Course is completed. The course result can no longer be changed.

⌂ Elementary Number-Theoretic Notions

Elementary Number-Theoretic Notions 🔖

✅ Introduction ⌄

🎵 Theoretical Material ⌄

✅ Quiz ⌃
Graded Quiz

   ✏️ Quiz

✅ Course Completion ⌄

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Quiz

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Now, it's time for a short quiz to recap what you've learned. The quiz is **graded**, so you can take it only once. Each question will be followed by feedback explaining why your answer is right or wrong. If your answer is incorrect, you will see a suggestion of what you might need to refresh your memory.

Good luck!

*Read the question below and select **all** correct answers. Then, click "Submit."*

Let a and d be integers. Which THREE of the following are true about the notation $d \mid a$ mean?

☐ a divides d

☑ d divides a

☑ a is a multiple of d

☐ d is a multiple of a

☐ d is a positive divisor of a

☑ $a = kd$, where k is an integer

✔

Correct: Nice job!

Submit You have used 0 of 1 attempt   💾 Save as Draft

*Read the question below and select **all** the answers that are correct. Then, click "Submit."*

Which THREE of the following are positive non-trivial divisors of 45?

☐ -3

☐ 0

☐ 1

☑ 5

☑ 9

☑ 15

☐ 45

✔

Correct: Great job!

Submit You have used 0 of 1 attempt   💾 Save as Draft

*Read the question below and select **all** the answers that are correct. Then, click "Submit."*

Which TWO of the following statements are correct?

☑ The integer 1 is not prime.

☑ The integer 1 is not composite.

☐ The integer 1 is prime.

☐ The integer 1 is composite.

✔

Correct: Great job!

Submit   You have used 1 of 1 attempt

---

*Read the question below and select **all** the answers that are correct. Then, click "Submit."*

Which FOUR of the following integers are prime?

☐ -3

☐ 0

☐ 1

☑ 2

☑ 3

☑ 23

☐ 27

☑ 29

✔

Correct: Great job!

Submit   You have used 1 of 1 attempt

Read the question below and enter an answer. Then, click "Submit."

What is the result of $16 \bmod 5$?

1

✔

| 1 |

Submit   You have used 1 of 1 attempt

Read the question below and enter an answer. Then, click "Submit."

What is the $gcd\,(24, 30)$?

6

✔

| 6 |

Submit   You have used 1 of 1 attempt

⟨ PREVIOUS   NEXT ⟩