The name of the exam **22 luglio 2014**	**Prof.**	**Firma leggibile dello studente**
Cognome:	**Nome:**	**Matricola:**

INSTRUCTIONS

- Write here your instructions

- two

- three

Part One

1. *(1 punto)* exercise 2c $a = 2$, $b = 4$, $c = 2$

   (a) answer 5 wrong

   (b) answer 3 wrong

   (c) answer 2 wrong

   (d) answer 4 wrong

▶ (e) answer 1 correct

2. *(1 punto)* exercise 2a $a = 3$, $b = 4$, $c = 7$

   (a) answer 2 wrong

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

▶ (e) answer 1 correct

3. *(1 punto)* exercise 2b $a = 2$, $b = 2$, $c = 4$

   (a) answer 5 wrong

▶ (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 3 wrong

   (e) answer 4 wrong

4. *(2 punti)* exercise 3b $a = 5$, $b = 3$, $c = 2$

   (a) answer 3 wrong

   (b) answer 2 wrong

   (c) answer 5 wrong

▶ (d) answer 1 correct

   (e) answer 4 wrong

Soluzione: answer 1

5. *(2 punti)* exercise 3a $a = 2$, $b = 4$, $c = 4$

   (a) answer 2 wrong

   (b) answer 3 wrong

▶ (c) answer 1 correct

   (d) answer 5 wrong

   (e) answer 4 wrong

Soluzione: answer 1

6. *(1 punto)* exercise 4e $a = 2$, $b = 2$, $c = 8$

   (a) answer 2 wrong

   (b) answer 5 wrong

▶ (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 3 wrong

18 punti

7. *(1 punto)* exercise 14a $a = 2$, $b = 4$, $c = 2$

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

   (e) answer 2 wrong

   Soluzione: This is the solution $a = 2$, $b = 4$, $c = 2$

8. *(2 punti)* exercise 9d $a = 3$, $b = 5$, $c = 5$

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 2 wrong

▶   (d) answer 1 correct

   (e) answer 5 wrong

9. *(1 punto)* exercise 1a $a = 4$

   (a) answer 3 wrong

   (b) answer 2 wrong

▶   (c) answer 1 correct

10. *(1 punto)* $a = 15$, $b = 15$, $c = 4$, $k = 4$
   Evaluate with two exact decimals

$$15 : 4 = \boxed{\textbf{3,75}}$$

11. *(1 punto)* exercise 11a

$$\{a,\ b,\ y\}$$

(a) answer 3 wrong

(b) answer 2 wrong

▶   (c) answer 1 correct

12. *(1 punto)* exercise 11b

$$\{a,\ c,\ x\}$$

(a) answer 2 wrong

(b) answer 3 wrong

▶   (c) answer 1 correct

Some other questions

1. *(1 punto)* exercise 12a $a = 2$, $b = 4$, $c = 4$

   (a) answer 2 wrong

   (b) answer 3 wrong

▶   (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 5 wrong

2. *(2 punti)* exercise 13a $a = 3$, $b = 3$, $c = 5$

▶   (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 2 wrong

   (e) answer 4 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,x\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

   Soluzione:
$$A \cup B = \{a,b,c,x\}$$

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

   Soluzione:
$$A \cap B = \{a,c\}$$

4 punti

INSTRUCTIONS

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Part One

1. *(2 punti)* exercise 3d $a = 3$, $b = 4$, $c = 7$

▶ (a) answer 1 correct

(b) answer 5 wrong

(c) answer 4 wrong

(d) answer 3 wrong

(e) answer 2 wrong

Soluzione: answer 1

2. *(1 punto)* exercise 2a $a = 2$, $b = 2$, $c = 4$

(a) answer 5 wrong

▶ (b) answer 1 correct

(c) answer 3 wrong

(d) answer 2 wrong

(e) answer 4 wrong

3. *(2 punti)* exercise 3a $a = 5$, $b = 3$, $c = 2$

(a) answer 5 wrong

(b) answer 2 wrong

(c) answer 4 wrong

(d) answer 3 wrong

▶ (e) answer 1 correct

Soluzione: answer 1

4. *(1 punto)* exercise 2c $a = 2$, $b = 4$, $c = 4$

(a) answer 4 wrong

(b) answer 5 wrong

(c) answer 2 wrong

(d) answer 3 wrong

▶ (e) answer 1 correct

5. *(1 punto)* exercise 2b $a = 2$, $b = 2$, $c = 8$

(a) answer 5 wrong

(b) answer 2 wrong

(c) answer 3 wrong

(d) answer 4 wrong

▶ (e) answer 1 correct

6. *(1 punto)* exercise 1b $a = 2$

▶ (a) answer 1 correct

(b) answer 2 wrong

(c) answer 3 wrong

7. *(1 punto)* exercise 14e $a = 3$, $b = 5$, $c = 4$

(a) answer 3 wrong

(b) answer 2 wrong

(c) answer 5 wrong

(d) answer 4 wrong

▶ (e) answer 1 correct

Soluzione: This is the solution $a = 3$, $b = 5$, $c = 4$

18 punti

8. *(1 punto)* exercise 4a $a = 5$, $b = 5$, $c = 6$

    (a) answer 5 wrong

▶ (b) answer 1 correct

    (c) answer 2 wrong

    (d) answer 3 wrong

    (e) answer 4 wrong

9. *(1 punto)* $a = 15$, $b = 15$, $c = 4$, $k = 4$
Evaluate with two exact decimals

$$15 : 4 = \boxed{\textbf{\color{red}3,75}}$$

10. *(2 punti)* exercise 9b $a = 5$, $b = 5$, $c = 8$

▶ (a) answer 1 correct

    (b) answer 3 wrong

    (c) answer 4 wrong

    (d) answer 5 wrong

    (e) answer 2 wrong

11. *(1 punto)* exercise 11a

$$\{a,\ c,\ x\}$$

    (a) answer 3 wrong

▶ (b) answer 1 correct

    (c) answer 2 wrong

12. *(1 punto)* exercise 11b

$$\{b,\ c,\ x\}$$

▶ (a) answer 1 correct

    (b) answer 2 wrong

    (c) answer 3 wrong

Some other questions

1. *(2 punti)* exercise 13d $a = 3$, $b = 3$, $c = 5$

▶ (a) answer 1 correct

    (b) answer 3 wrong

    (c) answer 5 wrong

    (d) answer 2 wrong

    (e) answer 4 wrong

2. *(1 punto)* exercise 12b $a = 2$, $b = 4$, $c = 8$

▶ (a) answer 1 correct

    (b) answer 5 wrong

    (c) answer 4 wrong

    (d) answer 3 wrong

    (e) answer 2 wrong

Part two

Some other instructions.

Esercizio 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,z\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

    Soluzione:
$$A \cup B = \{a,b,c,z\}$$

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

    Soluzione:
$$A \cap B = \{a,c\}$$

    4 punti

INSTRUCTIONS

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Part One

1. *(1 punto)* exercise 2a $a = 2$, $b = 2$, $c = 4$

▶ (a) answer 1 correct

   (b) answer 5 wrong

   (c) answer 3 wrong

   (d) answer 2 wrong

   (e) answer 4 wrong

2. *(1 punto)* exercise 2c $a = 5$, $b = 3$, $c = 2$

   (a) answer 2 wrong

   (b) answer 5 wrong

▶ (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 3 wrong

3. *(2 punti)* exercise 3c $a = 2$, $b = 4$, $c = 4$

▶ (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 2 wrong

   (d) answer 5 wrong

   (e) answer 4 wrong

   Soluzione: answer 1

4. *(1 punto)* exercise 2b $a = 2$, $b = 2$, $c = 8$

   (a) answer 4 wrong

   (b) answer 2 wrong

▶ (c) answer 1 correct

   (d) answer 3 wrong

   (e) answer 5 wrong

5. *(2 punti)* exercise 3b $a = 2$, $b = 4$, $c = 2$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 5 wrong

   (d) answer 2 wrong

   (e) answer 4 wrong

   Soluzione: answer 1

6. *(1 punto)* exercise 14a $a = 3$, $b = 5$, $c = 5$

   (a) answer 2 wrong

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

▶ (e) answer 1 correct

   Soluzione: This is the solution $a = 3$, $b = 5$, $c = 5$

7. *(1 punto)* $a = 12$, $b = 13$, $c = 2$, $k = 4$
Evaluate with two exact decimals

$$13 : 4 = \boxed{\textbf{\textcolor{red}{3,25}}}$$

18 punti

8. *(1 punto)* exercise 1a $a = 5$

▶ (a) answer 1 correct

(b) answer 3 wrong

(c) answer 2 wrong

9. *(2 punti)* exercise 9c $a = 5$, $b = 5$, $c = 8$

(a) answer 4 wrong

(b) answer 3 wrong

▶ (c) answer 1 correct

(d) answer 2 wrong

(e) answer 5 wrong

10. *(1 punto)* exercise 4d $a = 3$, $b = 4$, $c = 6$

(a) answer 5 wrong

(b) answer 4 wrong

(c) answer 2 wrong

▶ (d) answer 1 correct

(e) answer 3 wrong

11. *(1 punto)* exercise 11a

$$\{c,\ x,\ z\}$$

(a) answer 3 wrong

▶ (b) answer 1 correct

(c) answer 2 wrong

12. *(1 punto)* exercise 11b

$$\{a,\ b,\ x\}$$

▶ (a) answer 1 correct

(b) answer 3 wrong

(c) answer 2 wrong

Some other questions

1. *(1 punto)* exercise 12a $a = 2$, $b = 4$, $c = 8$

(a) answer 5 wrong

(b) answer 3 wrong

(c) answer 2 wrong

▶ (d) answer 1 correct

(e) answer 4 wrong

2. *(2 punti)* exercise 13b $a = 3$, $b = 3$, $c = 5$

▶ (a) answer 1 correct

(b) answer 4 wrong

(c) answer 3 wrong

(d) answer 5 wrong

(e) answer 2 wrong

Part two

Some other instructions.

Esercizio 1.   Let $A = \{a,c,x\}$ and $B = \{a,x,y\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

Soluzione:

$$A \cup B = \{a,c,x,y\}$$

4 punti

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

Soluzione:

$$A \cap B = \{a,x\}$$

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Part One

1. *(2 punti)* exercise 3d $a = 5$, $b = 3$, $c = 2$

 (a) answer 2 wrong

▶ (b) answer 1 correct

 (c) answer 5 wrong

 (d) answer 3 wrong

 (e) answer 4 wrong

 Soluzione: answer 1

2. *(1 punto)* exercise 2a $a = 2$, $b = 4$, $c = 4$

 (a) answer 5 wrong

 (b) answer 4 wrong

 (c) answer 3 wrong

▶ (d) answer 1 correct

 (e) answer 2 wrong

3. *(1 punto)* exercise 2c $a = 2$, $b = 2$, $c = 8$

▶ (a) answer 1 correct

 (b) answer 4 wrong

 (c) answer 5 wrong

 (d) answer 3 wrong

 (e) answer 2 wrong

4. *(2 punti)* exercise 3b $a = 2$, $b = 4$, $c = 2$

 (a) answer 5 wrong

▶ (b) answer 1 correct

 (c) answer 4 wrong

 (d) answer 2 wrong

 (e) answer 3 wrong

 Soluzione: answer 1

5. *(1 punto)* exercise 2b $a = 3$, $b = 5$, $c = 5$

▶ (a) answer 1 correct

 (b) answer 2 wrong

 (c) answer 3 wrong

 (d) answer 4 wrong

 (e) answer 5 wrong

6. *(1 punto)* $a = 12$, $b = 13$, $c = 2$, $k = 4$
Evaluate with two exact decimals

$$12 : 2 = \boxed{\qquad 6 \qquad}$$

7. *(1 punto)* exercise 1b $a = 5$

▶ (a) answer 1 correct

 (b) answer 3 wrong

 (c) answer 2 wrong

18 punti

8. *(2 punti)* exercise 9c $a = 5$, $b = 5$, $c = 8$

    (a) answer 4 wrong

    (b) answer 3 wrong

▶ (c) answer 1 correct

    (d) answer 2 wrong

    (e) answer 5 wrong

9. *(1 punto)* exercise 14d $a = 3$, $b = 4$, $c = 6$

    (a) answer 5 wrong

    (b) answer 4 wrong

    (c) answer 2 wrong

▶ (d) answer 1 correct

    (e) answer 3 wrong

    Soluzione: This is the solution $a = 3$, $b = 4$, $c = 6$

10. *(1 punto)* exercise 4b $a = 5$, $b = 3$, $c = 8$

    (a) answer 3 wrong

    (b) answer 4 wrong

▶ (c) answer 1 correct

    (d) answer 2 wrong

    (e) answer 5 wrong

11. *(1 punto)* exercise 11b

$$\{a,\ c,\ y\}$$

    (a) answer 2 wrong

    (b) answer 3 wrong

▶ (c) answer 1 correct

12. *(1 punto)* exercise 11a

$$\{b,\ c,\ x\}$$

    (a) answer 2 wrong

▶ (b) answer 1 correct

    (c) answer 3 wrong

Some other questions

1. *(2 punti)* exercise 13c $a = 3$, $b = 3$, $c = 5$

▶ (a) answer 1 correct

    (b) answer 4 wrong

    (c) answer 3 wrong

    (d) answer 5 wrong

    (e) answer 2 wrong

2. *(1 punto)* exercise 12c $a = 4$, $b = 2$, $c = 4$

    (a) answer 5 wrong

▶ (b) answer 1 correct

    (c) answer 4 wrong

    (d) answer 2 wrong

    (e) answer 3 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,y\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

    Soluzione:
$$A \cup B = \{a,b,c,y\}$$

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

    Soluzione:
$$A \cap B = \{a,c\}$$

4 punti

INSTRUCTIONS

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Part One

1. *(1 punto)* exercise 2a $a = 2$, $b = 4$, $c = 4$

   (a) answer 3 wrong

   ▶ (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 5 wrong

   (e) answer 4 wrong

2. *(1 punto)* exercise 2b $a = 2$, $b = 2$, $c = 8$

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 2 wrong

   (d) answer 5 wrong

   ▶ (e) answer 1 correct

3. *(2 punti)* exercise 3c $a = 2$, $b = 4$, $c = 2$

   (a) answer 2 wrong

   (b) answer 4 wrong

   ▶ (c) answer 1 correct

   (d) answer 3 wrong

   (e) answer 5 wrong

   Soluzione: answer 1

4. *(2 punti)* exercise 3d $a = 3$, $b = 5$, $c = 5$

   ▶ (a) answer 1 correct

   (b) answer 4 wrong

   (c) answer 5 wrong

   (d) answer 3 wrong

   (e) answer 2 wrong

   Soluzione: answer 1

5. *(1 punto)* exercise 2c $a = 4$, $b = 3$, $c = 3$

   (a) answer 4 wrong

   ▶ (b) answer 1 correct

   (c) answer 3 wrong

   (d) answer 2 wrong

   (e) answer 5 wrong

6. *(2 punti)* exercise 9b $a = 4$, $b = 5$, $c = 7$

   (a) answer 3 wrong

   (b) answer 5 wrong

   (c) answer 2 wrong

   (d) answer 4 wrong

   ▶ (e) answer 1 correct

18 punti

7. *(1 punto)* exercise 4c $a = 3$, $b = 3$, $c = 5$

   (a) answer 5 wrong

   (b) answer 4 wrong

▶ (c) answer 1 correct

   (d) answer 3 wrong

   (e) answer 2 wrong

8. *(1 punto)* exercise 1a $a = 5$

▶ (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 2 wrong

9. *(1 punto)* $a = 12$, $b = 15$, $c = 3$, $k = 4$
Evaluate with two exact decimals

$$15 : 4 = \boxed{\textbf{3,75}}$$

10. *(1 punto)* exercise 14b $a = 4$, $b = 3$, $c = 2$

   (a) answer 4 wrong

   (b) answer 5 wrong

▶ (c) answer 1 correct

   (d) answer 2 wrong

   (e) answer 3 wrong

   Soluzione: This is the solution $a = 4$, $b = 3$, $c = 2$

11. *(1 punto)* exercise 11a

$$\{a,\ b,\ x\}$$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 2 wrong

12. *(1 punto)* exercise 11b

$$\{a,\ c,\ z\}$$

▶ (a) answer 1 correct

   (b) answer 3 wrong

   (c) answer 2 wrong

Some other questions

1. *(1 punto)* exercise 12a $a = 4$, $b = 2$, $c = 4$

   (a) answer 4 wrong

   (b) answer 5 wrong

   (c) answer 2 wrong

▶ (d) answer 1 correct

   (e) answer 3 wrong

2. *(2 punti)* exercise 13c $a = 5$, $b = 3$, $c = 3$

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 2 wrong

▶ (d) answer 1 correct

   (e) answer 5 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,x\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

   Soluzione:

$$A \cup B = \{a,b,c,x\}$$

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

   Soluzione:

$$A \cap B = \{a,c\}$$

4 punti

INSTRUCTIONS

- Write here your instructions

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Part One

1. *(2 punti)* exercise 3d $a = 2$, $b = 2$, $c = 8$

    (a) answer 3 wrong

    (b) answer 2 wrong

    (c) answer 5 wrong

▶ (d) answer 1 correct

    (e) answer 4 wrong

    Soluzione: answer 1

2. *(2 punti)* exercise 3b $a = 2$, $b = 4$, $c = 2$

▶ (a) answer 1 correct

    (b) answer 3 wrong

    (c) answer 2 wrong

    (d) answer 5 wrong

    (e) answer 4 wrong

    Soluzione: answer 1

3. *(1 punto)* exercise 2c $a = 3$, $b = 5$, $c = 5$

    (a) answer 2 wrong

    (b) answer 5 wrong

    (c) answer 3 wrong

▶ (d) answer 1 correct

    (e) answer 4 wrong

4. *(1 punto)* exercise 2b $a = 4$, $b = 3$, $c = 3$

▶ (a) answer 1 correct

    (b) answer 3 wrong

    (c) answer 4 wrong

    (d) answer 5 wrong

    (e) answer 2 wrong

5. *(1 punto)* exercise 2a $a = 4$, $b = 5$, $c = 7$

    (a) answer 2 wrong

▶ (b) answer 1 correct

    (c) answer 5 wrong

    (d) answer 3 wrong

    (e) answer 4 wrong

6. *(1 punto)* exercise 14c $a = 3$, $b = 3$, $c = 5$

    (a) answer 4 wrong

▶ (b) answer 1 correct

    (c) answer 2 wrong

    (d) answer 3 wrong

    (e) answer 5 wrong

    Soluzione: This is the solution $a = 3$, $b = 3$, $c = 5$

7. *(1 punto)* exercise 1b $a = 5$

    (a) answer 2 wrong

▶ (b) answer 1 correct

    (c) answer 3 wrong

18 punti

8. *(1 punto)* exercise 4a $a = 2$, $b = 4$, $c = 4$

    (a) answer 4 wrong

    (b) answer 5 wrong

    (c) answer 3 wrong

▶ (d) answer 1 correct

    (e) answer 2 wrong

9. *(2 punti)* exercise 9a $a = 3$, $b = 3$, $c = 5$

▶ (a) answer 1 correct

    (b) answer 4 wrong

    (c) answer 5 wrong

    (d) answer 2 wrong

    (e) answer 3 wrong

10. *(1 punto)* $a = 13$, $b = 14$, $c = 4$, $k = 4$
Evaluate with two exact decimals

$$13 : 4 = \boxed{\qquad \textbf{3,25} \qquad}$$

11. *(1 punto)* exercise 11b

$$\{a,\ b,\ x\}$$

    (a) answer 2 wrong

    (b) answer 3 wrong

▶ (c) answer 1 correct

12. *(1 punto)* exercise 11a

$$\{a,\ c,\ x\}$$

    (a) answer 2 wrong

▶ (b) answer 1 correct

    (c) answer 3 wrong

Some other questions

1. *(2 punti)* exercise 13b $a = 5$, $b = 3$, $c = 3$

    (a) answer 4 wrong

    (b) answer 2 wrong

▶ (c) answer 1 correct

    (d) answer 5 wrong

    (e) answer 3 wrong

2. *(1 punto)* exercise 12c $a = 3$, $b = 5$, $c = 5$

    (a) answer 5 wrong

    (b) answer 3 wrong

    (c) answer 4 wrong

▶ (d) answer 1 correct

    (e) answer 2 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,x\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

    Soluzione:
$$A \cup B = \{a,b,c,x\}$$

4 punti

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

    Soluzione:
$$A \cap B = \{a,c\}$$

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Part One

1. *(2 punti)* exercise 3a $a = 2$, $b = 4$, $c = 2$

   (a) answer 4 wrong

   (b) answer 2 wrong

▶ (c) answer 1 correct

   (d) answer 3 wrong

   (e) answer 5 wrong

Soluzione: answer 1

2. *(2 punti)* exercise 3d $a = 3$, $b = 5$, $c = 5$

   (a) answer 4 wrong

▶ (b) answer 1 correct

   (c) answer 5 wrong

   (d) answer 2 wrong

   (e) answer 3 wrong

Soluzione: answer 1

3. *(1 punto)* exercise 2a $a = 4$, $b = 3$, $c = 3$

   (a) answer 2 wrong

   (b) answer 5 wrong

▶ (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 3 wrong

4. *(1 punto)* exercise 2b $a = 4$, $b = 5$, $c = 7$

   (a) answer 2 wrong

   (b) answer 5 wrong

▶ (c) answer 1 correct

   (d) answer 3 wrong

   (e) answer 4 wrong

5. *(1 punto)* exercise 2c $a = 3$, $b = 3$, $c = 5$

   (a) answer 5 wrong

   (b) answer 4 wrong

▶ (c) answer 1 correct

   (d) answer 2 wrong

   (e) answer 3 wrong

6. *(1 punto)* exercise 1a $a = 5$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 2 wrong

7. *(1 punto)* exercise 4c $a = 2$, $b = 4$, $c = 4$

   (a) answer 4 wrong

   (b) answer 2 wrong

▶ (c) answer 1 correct

   (d) answer 5 wrong

   (e) answer 3 wrong

18 punti

8. *(1 punto)* $a = 14$, $b = 13$, $c = 3$, $k = 5$
Evaluate with two exact decimals

$$13 : 5 = \boxed{\textbf{\color{red}2,6}}$$

9. *(2 punti)* exercise 9d $a = 3$, $b = 3$, $c = 5$

    (a) answer 3 wrong

    (b) answer 5 wrong

    (c) answer 2 wrong

    (d) answer 4 wrong

▶ (e) answer 1 correct

10. *(1 punto)* exercise 14a $a = 4$, $b = 5$, $c = 4$

▶ (a) answer 1 correct

    (b) answer 4 wrong

    (c) answer 3 wrong

    (d) answer 5 wrong

    (e) answer 2 wrong

    Soluzione: This is the solution $a = 4$, $b = 5$, $c = 4$

11. *(1 punto)* exercise 11b

$$\{a, \ b, \ x\}$$

▶ (a) answer 1 correct

    (b) answer 2 wrong

    (c) answer 3 wrong

12. *(1 punto)* exercise 11a

$$\{b, \ c, \ x\}$$

    (a) answer 3 wrong

▶ (b) answer 1 correct

    (c) answer 2 wrong

Some other questions

1. *(1 punto)* exercise 12b $a = 3$, $b = 5$, $c = 5$

    (a) answer 3 wrong

▶ (b) answer 1 correct

    (c) answer 4 wrong

    (d) answer 2 wrong

    (e) answer 5 wrong

2. *(2 punti)* exercise 13a $a = 2$, $b = 5$, $c = 8$

    (a) answer 2 wrong

▶ (b) answer 1 correct

    (c) answer 3 wrong

    (d) answer 5 wrong

    (e) answer 4 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,x\}$ and $B = \{a,x,z\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

    Soluzione:
$$A \cup B = \{a,b,x,z\}$$

4 punti

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

    Soluzione:
$$A \cap B = \{a,x\}$$

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- Write here your instructions

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Part One

1. *(1 punto)* exercise 2b $a = 3$, $b = 5$, $c = 5$

   (a) answer 5 wrong

   (b) answer 3 wrong

   (c) answer 4 wrong

   (d) answer 2 wrong

▶ (e) answer 1 correct

2. *(2 punti)* exercise 3c $a = 4$, $b = 3$, $c = 3$

▶ (a) answer 1 correct

   (b) answer 5 wrong

   (c) answer 3 wrong

   (d) answer 4 wrong

   (e) answer 2 wrong

Soluzione: answer 1

3. *(2 punti)* exercise 3a $a = 4$, $b = 5$, $c = 7$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 4 wrong

   (d) answer 5 wrong

   (e) answer 2 wrong

Soluzione: answer 1

4. *(1 punto)* exercise 2c $a = 3$, $b = 3$, $c = 5$

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 5 wrong

   (d) answer 2 wrong

▶ (e) answer 1 correct

5. *(1 punto)* exercise 2a $a = 5$, $b = 3$, $c = 8$

   (a) answer 3 wrong

   (b) answer 5 wrong

   (c) answer 2 wrong

   (d) answer 4 wrong

▶ (e) answer 1 correct

6. *(1 punto)* exercise 1b $a = 3$

   (a) answer 3 wrong

   (b) answer 2 wrong

▶ (c) answer 1 correct

7. *(2 punti)* exercise 9b $a = 3$, $b = 3$, $c = 5$

   (a) answer 2 wrong

   (b) answer 3 wrong

   (c) answer 5 wrong

   (d) answer 4 wrong

▶ (e) answer 1 correct

18 punti

8. *(1 punto)* exercise 14c $a = 2$, $b = 3$, $c = 7$

▶ (a) answer 1 correct

(b) answer 5 wrong

(c) answer 4 wrong

(d) answer 2 wrong

(e) answer 3 wrong

Soluzione: This is the solution $a = 2$, $b = 3$, $c = 7$

9. *(1 punto)* exercise 4e $a = 2$, $b = 3$, $c = 4$

(a) answer 5 wrong

(b) answer 3 wrong

(c) answer 4 wrong

▶ (d) answer 1 correct

(e) answer 2 wrong

10. *(1 punto)* $a = 14$, $b = 14$, $c = 2$, $k = 5$
Evaluate with two exact decimals

$$14 : 2 = \boxed{\qquad 7 \qquad}$$

11. *(1 punto)* exercise 11b

$$\{a,\ x,\ y\}$$

▶ (a) answer 1 correct

(b) answer 2 wrong

(c) answer 3 wrong

12. *(1 punto)* exercise 11a

$$\{a,\ b,\ x\}$$

(a) answer 3 wrong

▶ (b) answer 1 correct

(c) answer 2 wrong

Some other questions

1. *(2 punti)* exercise 13d $a = 2$, $b = 5$, $c = 8$

(a) answer 3 wrong

(b) answer 4 wrong

(c) answer 5 wrong

▶ (d) answer 1 correct

(e) answer 2 wrong

2. *(1 punto)* exercise 12c $a = 4$, $b = 4$, $c = 4$

(a) answer 3 wrong

(b) answer 2 wrong

▶ (c) answer 1 correct

(d) answer 5 wrong

(e) answer 4 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,y\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

Soluzione:

$$A \cup B = \{a,b,c,y\}$$

4 punti

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

Soluzione:

$$A \cap B = \{a,c\}$$

INSTRUCTIONS

- Write here your instructions

- two

- three

Part One

1. *(2 punti)* exercise 3a $a = 4$, $b = 3$, $c = 3$

   (a) answer 5 wrong

   (b) answer 3 wrong

▶ (c) answer 1 correct

   (d) answer 4 wrong

   (e) answer 2 wrong

   Soluzione: answer 1

2. *(2 punti)* exercise 3d $a = 4$, $b = 5$, $c = 7$

   (a) answer 4 wrong

   (b) answer 3 wrong

▶ (c) answer 1 correct

   (d) answer 2 wrong

   (e) answer 5 wrong

   Soluzione: answer 1

3. *(1 punto)* exercise 2b $a = 3$, $b = 3$, $c = 5$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 2 wrong

   (d) answer 4 wrong

   (e) answer 5 wrong

4. *(1 punto)* exercise 2c $a = 5$, $b = 3$, $c = 8$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 4 wrong

   (d) answer 5 wrong

   (e) answer 2 wrong

5. *(1 punto)* exercise 2a $a = 3$, $b = 2$, $c = 7$

   (a) answer 5 wrong

   (b) answer 4 wrong

   (c) answer 3 wrong

   (d) answer 2 wrong

▶ (e) answer 1 correct

6. *(1 punto)* $a = 15$, $b = 15$, $c = 3$, $k = 4$
Evaluate with two exact decimals

$$15 : 4 = \boxed{\textbf{3,75}}$$

7. *(1 punto)* exercise 4d $a = 4$, $b = 4$, $c = 5$

   (a) answer 3 wrong

▶ (b) answer 1 correct

   (c) answer 5 wrong

   (d) answer 4 wrong

   (e) answer 2 wrong

$\boxed{\textit{18 punti}}$

8. *(2 punti)* exercise 9c $a = 3$, $b = 4$, $c = 2$

▶ (a) answer 1 correct

   (b) answer 5 wrong

   (c) answer 4 wrong

   (d) answer 3 wrong

   (e) answer 2 wrong

9. *(1 punto)* exercise 1a $a = 4$

▶ (a) answer 1 correct

   (b) answer 2 wrong

   (c) answer 3 wrong

10. *(1 punto)* exercise 14e $a = 2$, $b = 3$, $c = 7$

   (a) answer 3 wrong

   (b) answer 4 wrong

▶ (c) answer 1 correct

   (d) answer 2 wrong

   (e) answer 5 wrong

   Soluzione: This is the solution $a = 2$, $b = 3$, $c = 7$

11. *(1 punto)* exercise 11a

$$\{a, \ b, \ x\}$$

▶ (a) answer 1 correct

   (b) answer 2 wrong

   (c) answer 3 wrong

12. *(1 punto)* exercise 11b

$$\{a, \ b, \ x\}$$

▶ (a) answer 1 correct

   (b) answer 2 wrong

   (c) answer 3 wrong

Some other questions

1. *(1 punto)* exercise 12a $a = 4$, $b = 4$, $c = 4$

   (a) answer 2 wrong

   (b) answer 3 wrong

   (c) answer 5 wrong

▶ (d) answer 1 correct

   (e) answer 4 wrong

2. *(2 punti)* exercise 13b $a = 5$, $b = 4$, $c = 2$

   (a) answer 5 wrong

   (b) answer 3 wrong

   (c) answer 4 wrong

▶ (d) answer 1 correct

   (e) answer 2 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,y\}$ and $B = \{a,y,z\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

   Soluzione:

$$A \cup B = \{a,b,y,z\}$$

4 punti

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

   Soluzione:

$$A \cap B = \{a,y\}$$

INSTRUCTIONS

- Write here your instructions

- two

- three

Part One

18 punti

1. *(2 punti)* exercise 3b $a = 4$, $b = 5$, $c = 7$

▶ (a) answer 1 correct

(b) answer 5 wrong

(c) answer 3 wrong

(d) answer 2 wrong

(e) answer 4 wrong

Soluzione: answer 1

2. *(2 punti)* exercise 3a $a = 3$, $b = 3$, $c = 5$

(a) answer 2 wrong

(b) answer 3 wrong

(c) answer 4 wrong

▶ (d) answer 1 correct

(e) answer 5 wrong

Soluzione: answer 1

3. *(1 punto)* exercise 2a $a = 5$, $b = 3$, $c = 8$

(a) answer 4 wrong

(b) answer 2 wrong

(c) answer 3 wrong

▶ (d) answer 1 correct

(e) answer 5 wrong

4. *(1 punto)* exercise 2c $a = 3$, $b = 2$, $c = 7$

(a) answer 4 wrong

(b) answer 3 wrong

▶ (c) answer 1 correct

(d) answer 2 wrong

(e) answer 5 wrong

5. *(1 punto)* exercise 2b $a = 3$, $b = 3$, $c = 5$

(a) answer 3 wrong

(b) answer 4 wrong

▶ (c) answer 1 correct

(d) answer 5 wrong

(e) answer 2 wrong

6. *(1 punto)* $a = 12$, $b = 13$, $c = 3$, $k = 4$
Evaluate with two exact decimals

$$12 : 3 = \boxed{\qquad 4 \qquad}$$

7. *(1 punto)* exercise 14d $a = 3$, $b = 4$, $c = 2$

(a) answer 5 wrong

▶ (b) answer 1 correct

(c) answer 2 wrong

(d) answer 3 wrong

(e) answer 4 wrong

Soluzione: This is the solution $a = 3$, $b = 4$, $c = 2$

8. *(2 punti)* exercise 9d $a = 4$, $b = 4$, $c = 7$

   (a) answer 2 wrong

   (b) answer 4 wrong

   (c) answer 3 wrong

▶ (d) answer 1 correct

   (e) answer 5 wrong

9. *(1 punto)* exercise 1b $a = 5$

   (a) answer 2 wrong

   (b) answer 3 wrong

▶ (c) answer 1 correct

10. *(1 punto)* exercise 4b $a = 3$, $b = 2$, $c = 7$

   (a) answer 3 wrong

   (b) answer 4 wrong

   (c) answer 2 wrong

▶ (d) answer 1 correct

   (e) answer 5 wrong

11. *(1 punto)* exercise 11b

$$\{b, \ y, \ z\}$$

   (a) answer 2 wrong

   (b) answer 3 wrong

▶ (c) answer 1 correct

12. *(1 punto)* exercise 11a

$$\{b, \ c, \ z\}$$

▶ (a) answer 1 correct

   (b) answer 2 wrong

   (c) answer 3 wrong

Some other questions

1. *(2 punti)* exercise 13c $a = 5$, $b = 4$, $c = 2$

   (a) answer 2 wrong

   (b) answer 4 wrong

▶ (c) answer 1 correct

   (d) answer 5 wrong

   (e) answer 3 wrong

2. *(1 punto)* exercise 12b $a = 2$, $b = 2$, $c = 3$

   (a) answer 4 wrong

   (b) answer 5 wrong

▶ (c) answer 1 correct

   (d) answer 2 wrong

   (e) answer 3 wrong

Part two

Some other instructions.

ESERCIZIO 1.   Let $A = \{a,b,c\}$ and $B = \{a,c,y\}$.

(a) *(2 punti)* List (without repetition) the elements of the set $A \cup B$

   Soluzione:

$$A \cup B = \{a,b,c,y\}$$

4 punti

(b) *(2 punti)* List (without repetition) the elements of the set $A \cap B$

   Soluzione:

$$A \cap B = \{a,c\}$$

Soluzione Versione n. 1

1. e
2. e
3. b
4. d
5. c
6. c
7. a
8. d
9. c
10. 3,75
11. c
12. c

1. c
2. a

Soluzione Versione n. 2

1. a
2. b
3. e
4. e
5. e
6. a
7. e
8. b
9. 3,75
10. a
11. b
12. a

1. a
2. a

Soluzione Versione n. 3

1. a
2. c
3. a
4. c
5. b
6. e
7. 3,25
8. a
9. c
10. d
11. b
12. a

1. d
2. a

Soluzione Versione n. 4

1. b
2. d
3. a
4. b
5. a
6. 6
7. a
8. c
9. d
10. c
11. c
12. b

1. a
2. b

Soluzione Versione n. 5

1. b
2. e
3. c
4. a
5. b
6. e
7. c
8. a
9. 3,75
10. c
11. b
12. a

1. d
2. d

Soluzione Versione n. 6

1. d
2. a
3. d
4. a
5. b
6. b
7. b
8. d
9. a
10. 3,25
11. c
12. b

1. c
2. d

Soluzione Versione n. 7

1. c
2. b
3. c
4. c
5. c
6. b
7. c
8. 2,6
9. e
10. a
11. a
12. b

1. b
2. b

Soluzione Versione n. 8

1. e
2. a
3. b
4. e
5. e
6. c
7. e
8. a
9. d
10. 7
11. a
12. b

1. d
2. c

Soluzione Versione n. 9

1. c
2. c
3. b
4. b
5. e
6. 3,75
7. b
8. a
9. a
10. c
11. a
12. a

1. d
2. d

Soluzione Versione n. 10

1. a
2. d
3. d
4. c
5. c
6. 4
7. b
8. d
9. c
10. d
11. c
12. a

1. c
2. c