

PROVE DI MATEMATICA

Il kit presenta 4 gruppi di prove corrispondenti a quattro nuclei fondanti la disciplina: Numero, Spazio e Figure, Relazioni, Risolvere e porsi problemi.

Numero: si compone di **15** prove da somministrarsi in successione a partire dalla classe prima. Ciascuna prova rileva competenze specifiche

NUMERO

Prova N°1	Contare oggetti e confrontare raggruppamenti di oggetti
	Confrontare e ordinare numeri
Prova N°2 A	Calcolare il risultato di semplici addizioni e sottrazioni
Prova N°2 B	Calcolare il risultato di addizioni e sottrazioni con o senza cambio
Prova N°3	Calcolare il risultato di semplici moltiplicazioni o divisioni
Prova N° 4 A	Rappresentare frazioni e calcolare frazioni di numeri
Prova N°4 B	Comporre e scomporre numeri decimali
	Trasformare frazioni decimali in numeri decimali
Prova N° 5 (da CD-ROM 'Tutti uguali tutti diversi' U.S.R.Lombardia)	Operazioni complesse con i numeri naturali e decimali

Spazio e figure: si compone di 4 prove da somministrarsi in successione a partire dalla classe prima.

SPAZIO E FIGURE

Prova N°1	Riconoscere la costanza della forma in figure geometriche di diversa grandezza e orientamento
Prova N°2	Riconoscere, individuare e costruire simmetrie
Prova N.3	Calcolare il perimetro di figure geometriche note

RELAZIONI

Prova N°1	Individuare relazioni di grandezza Individuare semplici relazioni logiche
Prova N°2	Individuare relazioni temporali Individuare relazioni tra le forme e gli oggetti
Prova N°3	Localizzare oggetti o punti sul piano cartesiano

PROBLEMI

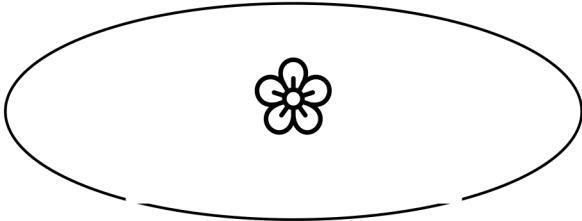
Prova N°1	Risolvere semplici problemi di addizione e sottrazione con l'uso delle immagini
Prova N°2	Risolvere semplici problemi di moltiplicazione e divisione con l'uso delle immagini

PROVE DI MATEMATICA/NUMERO

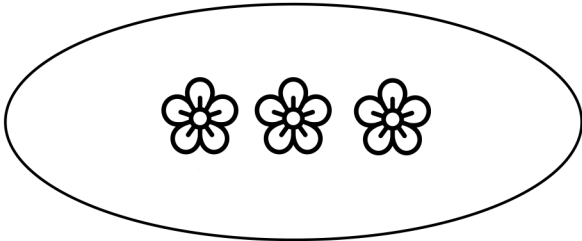
NOME	COGNOME
CLASSE	DATA

Prova N°1 pag.1/5

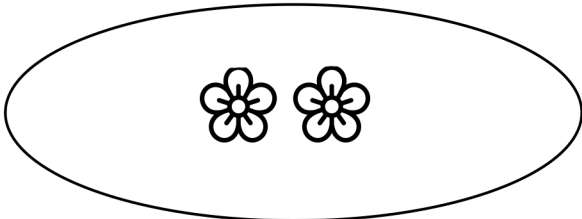
Obiettivo di competenza	Contare oggetti e confrontare raggruppamenti di oggetti
	Confrontare e ordinare numeri



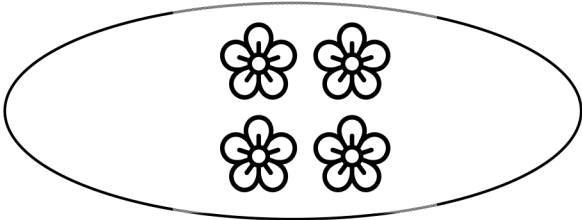
3



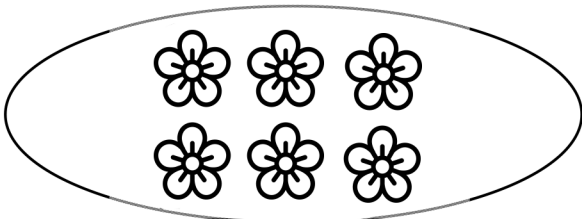
2



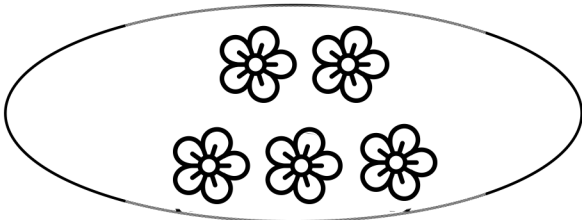
1



5

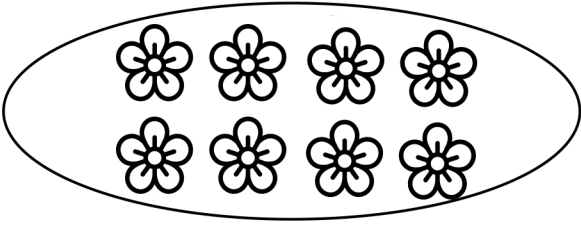


4

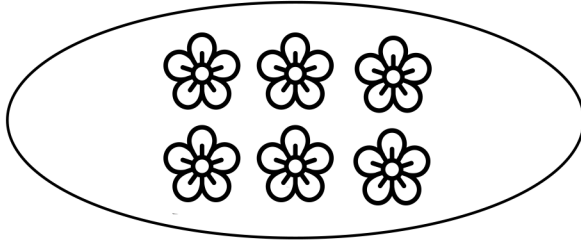


6

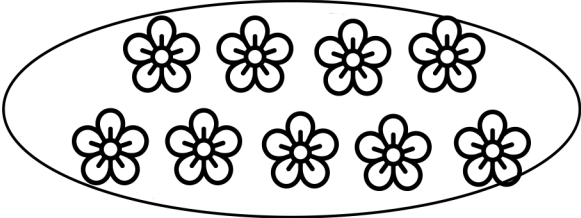
Prova N°1 -pag.2/5



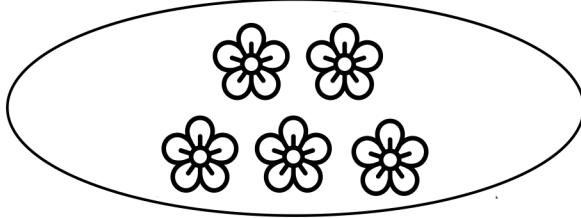
5



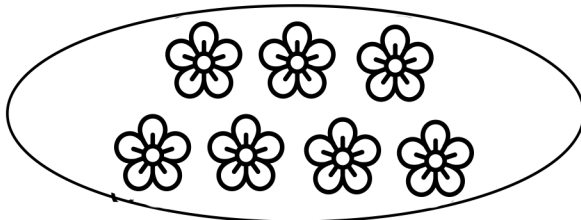
9



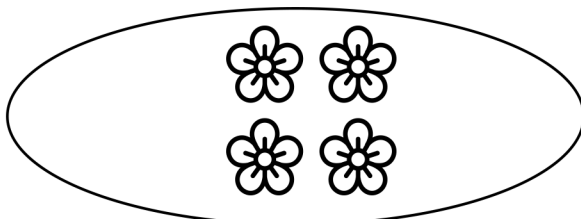
7



6

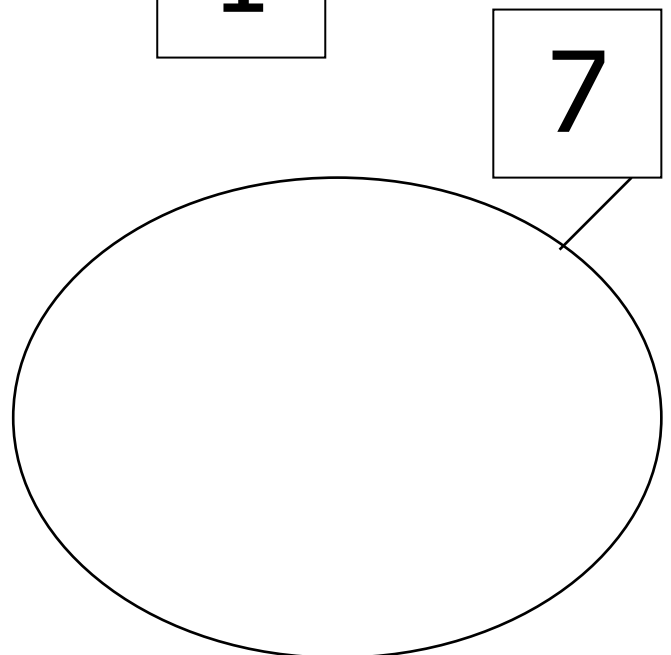
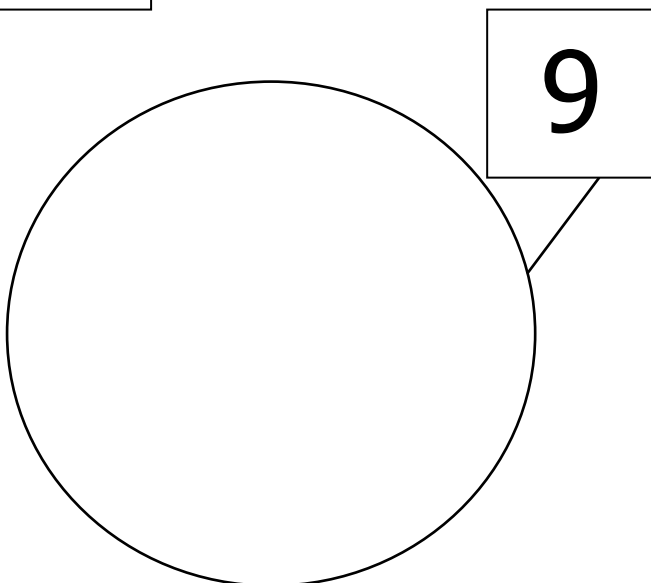
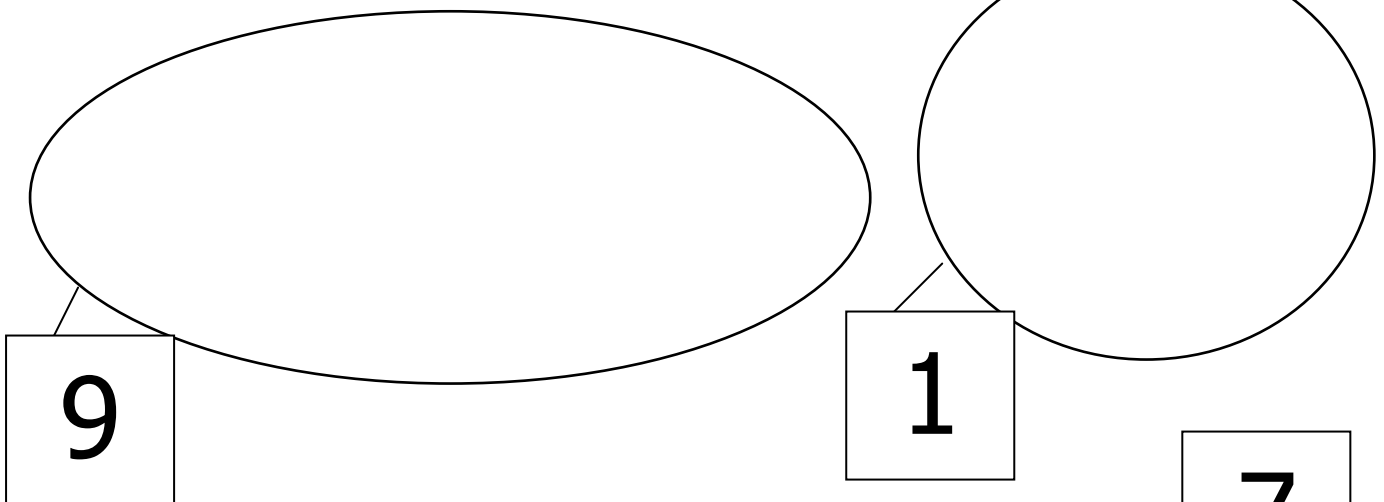
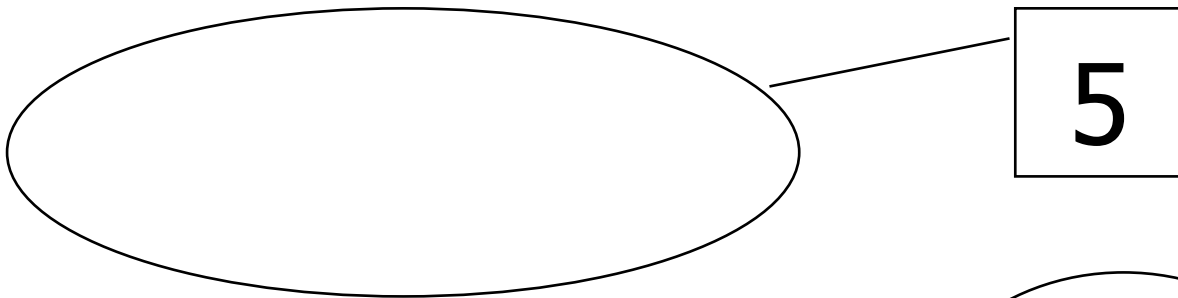
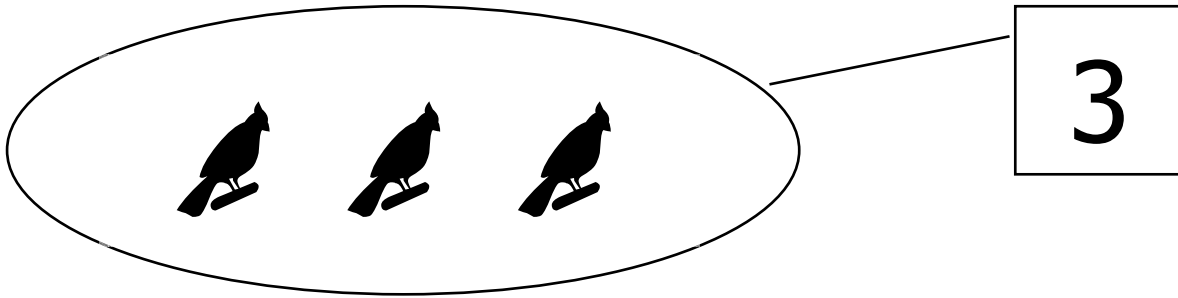


4

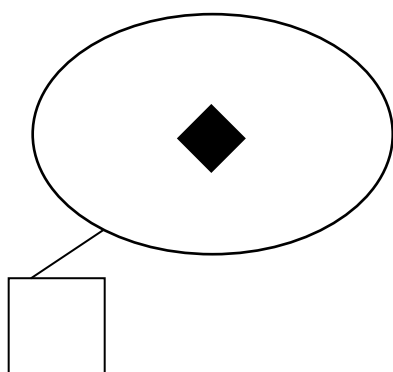


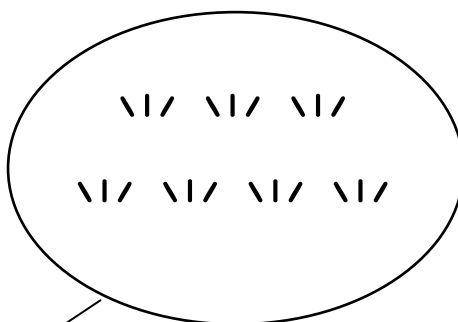
8

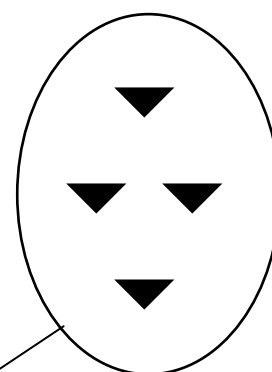
Prova N°1 -pag.3/5

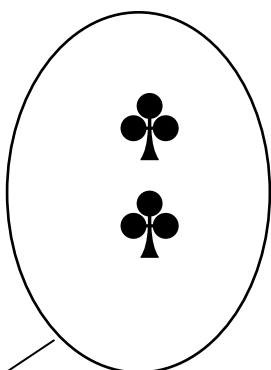


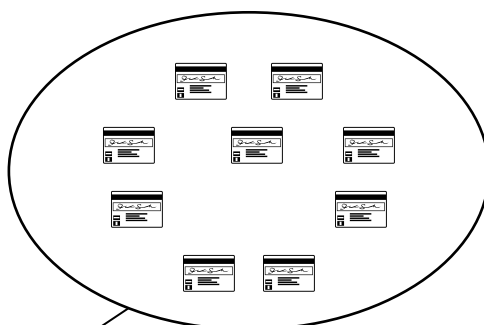
Prova N°1 -pag.4/5

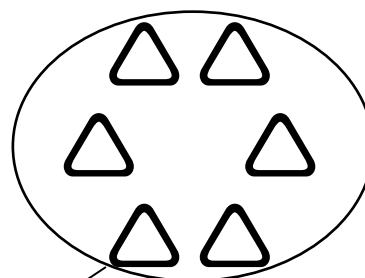


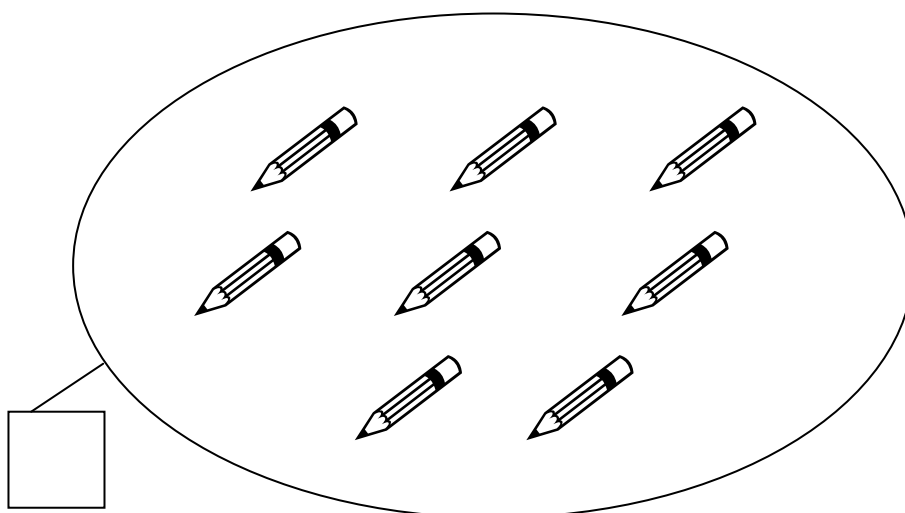




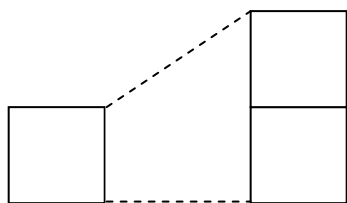








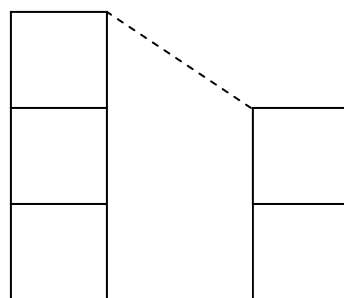
Prova N°1 -pag.5/5



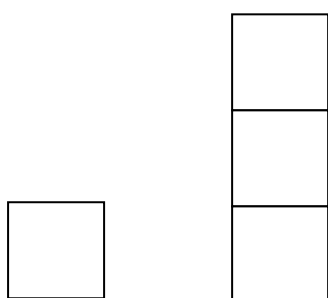
$1 < 2$



$1 = 1$

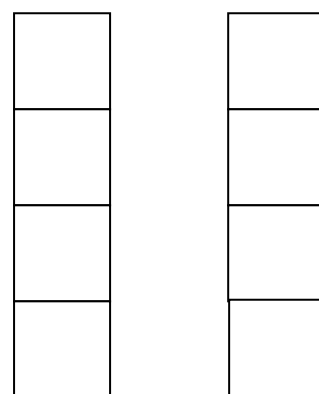


$3 > 2$



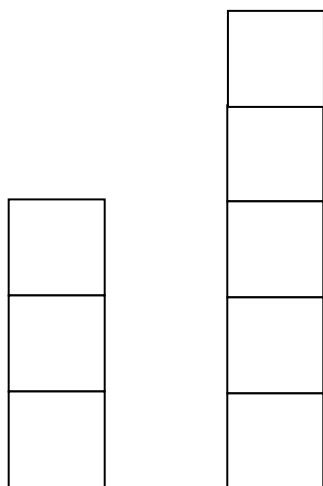
1

3



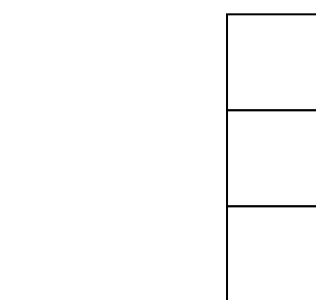
4

4



3

5



4

3

5	>	3
---	---	---

5	9
---	---

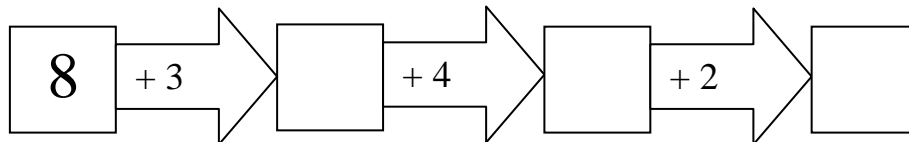
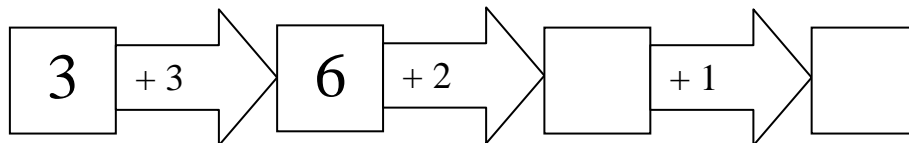
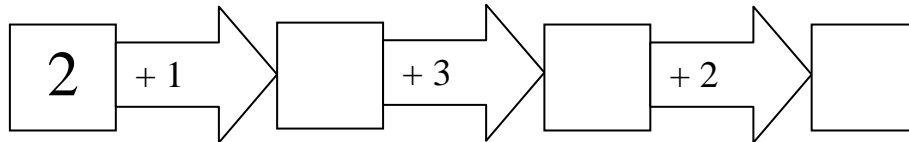
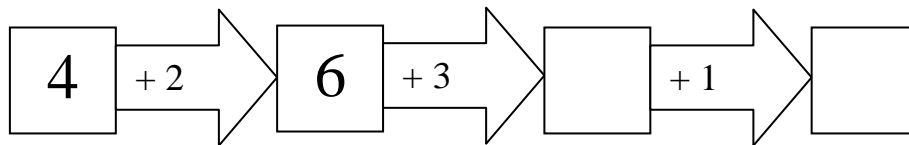
2	6
---	---

9	7
---	---

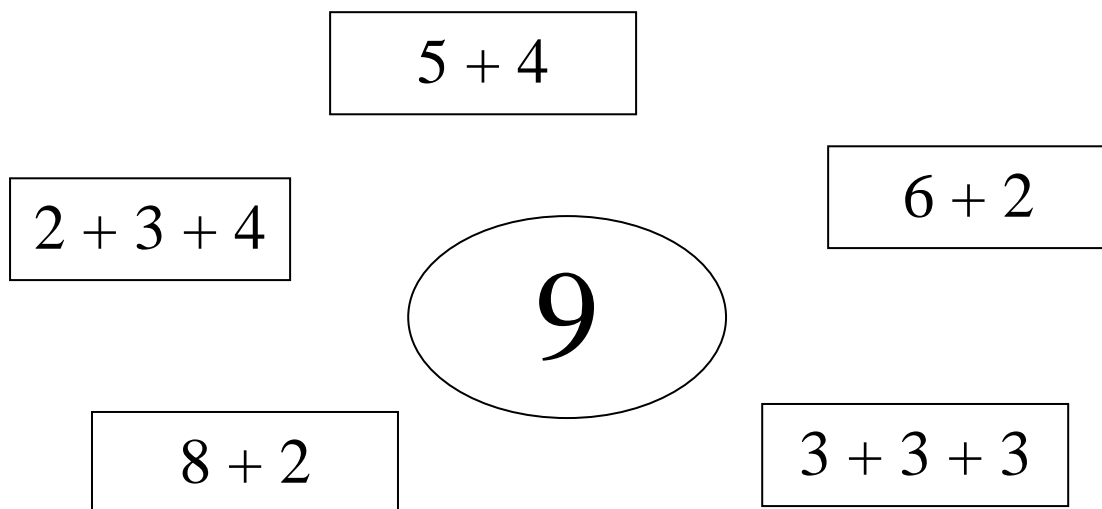
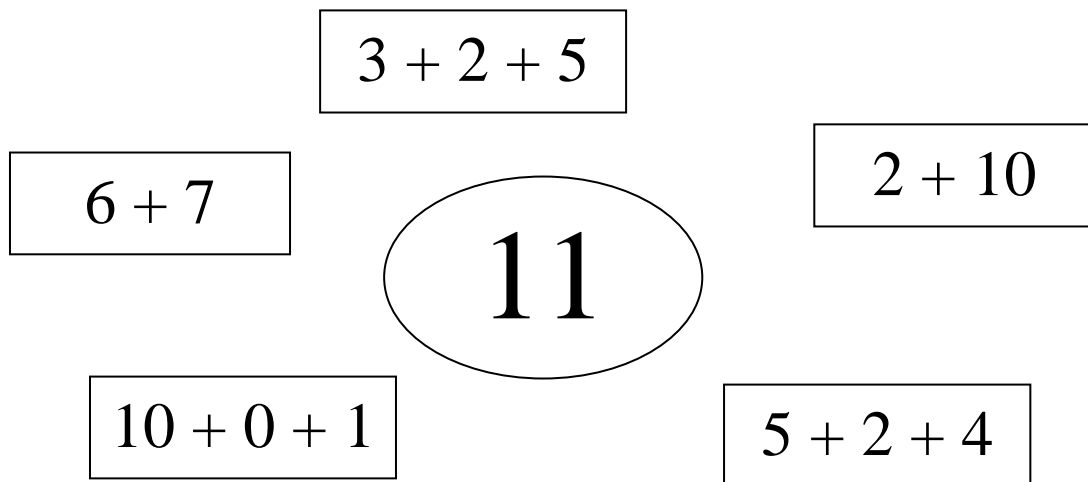
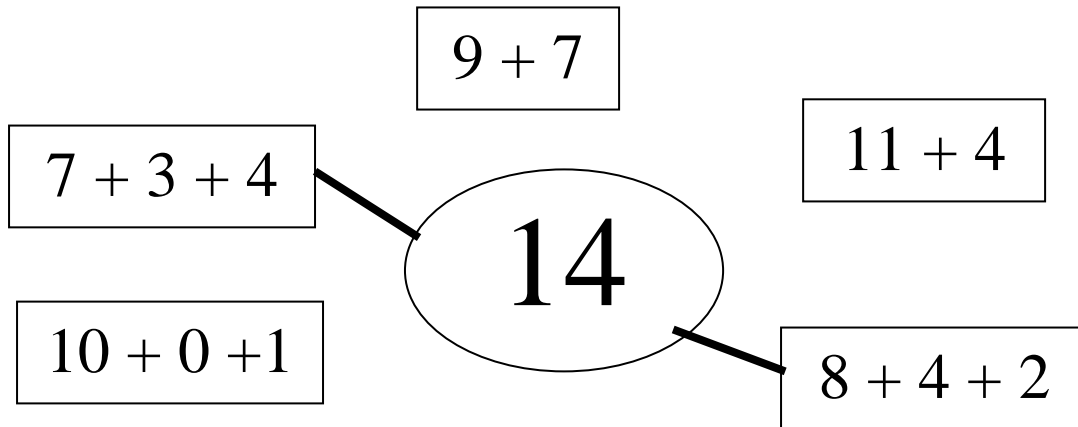
NOME	COGNOME
CLASSE	DATA

Prova N°2 A pag.1/4

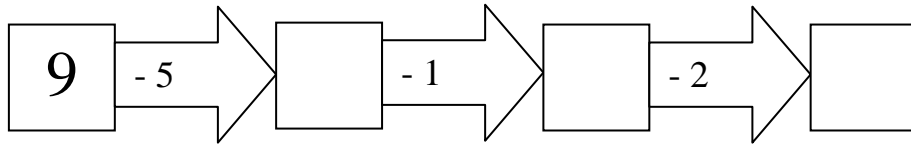
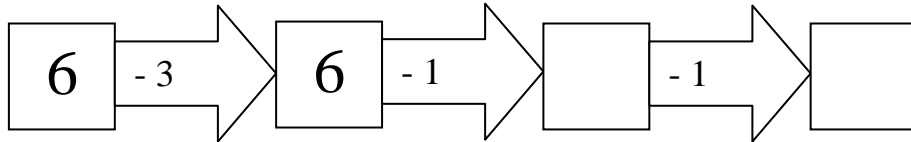
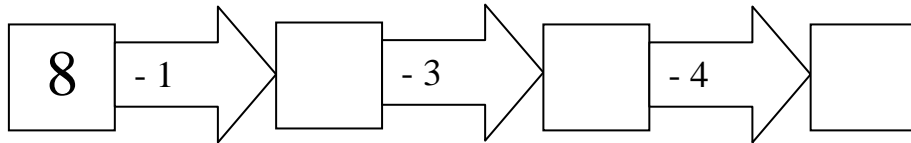
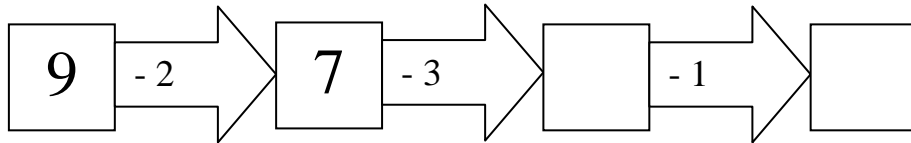
Obiettivo di competenza	Calcolare il risultato di semplici addizioni e sottrazioni.
-------------------------	---



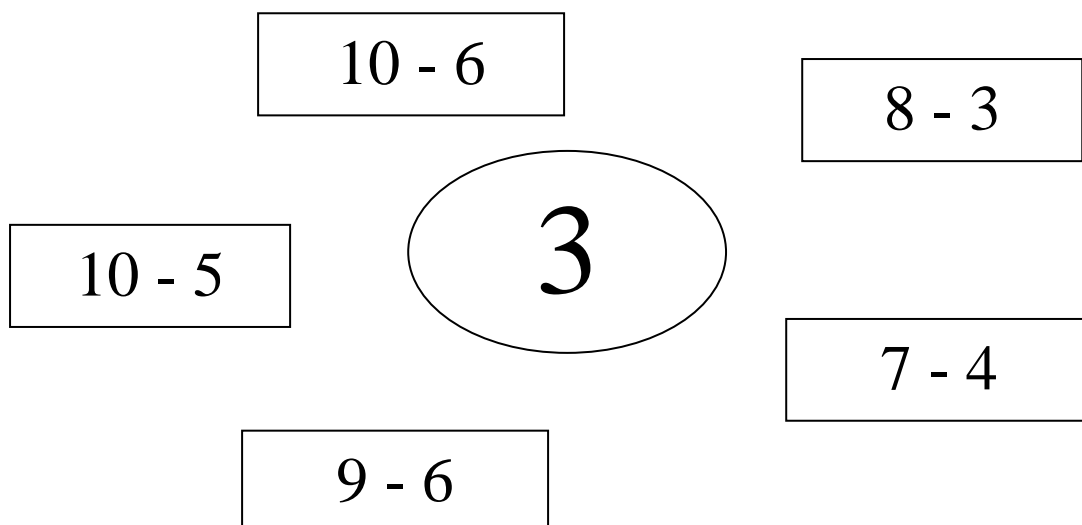
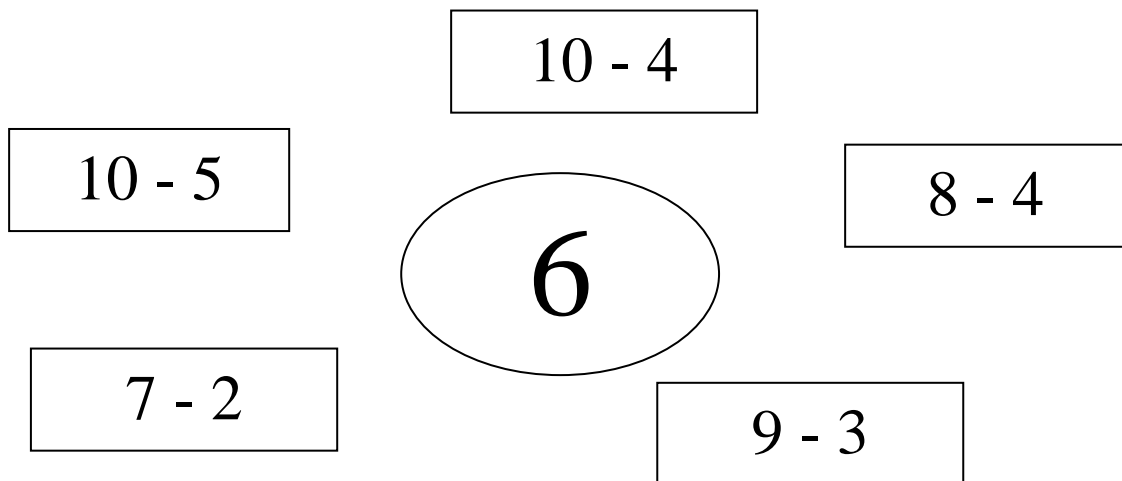
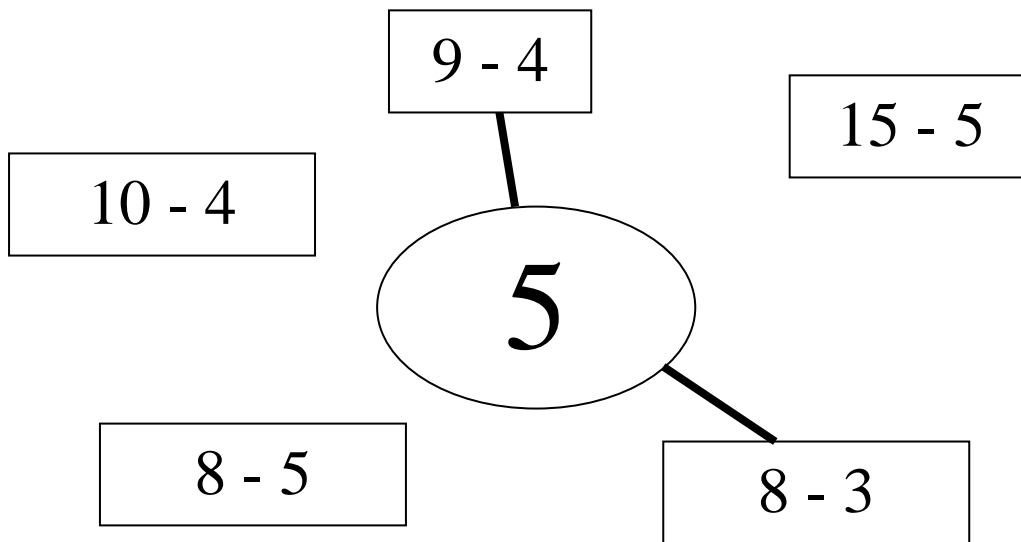
Prova N°2 A -pag.2/4



Prova N°2 A -pag.3/4



Prova N°2 A -pag.4/4



NOME	COGNOME
CLASSE	DATA

Prova N°2 B pag.1/1

Obiettivo di competenza	Calcolare il risultato di addizioni e sottrazioni con e senza cambio
-------------------------	--

EX

$$\begin{array}{r} 321+ \\ 345 \\ \hline \end{array}$$

$$666$$

$$\begin{array}{r} 809+ \\ 95 \\ \hline \end{array}$$

$$904$$

$$\begin{array}{r} 439+ \\ 220 \\ \hline \end{array}$$

$$\begin{array}{r} 641+ \\ 57 \\ \hline \end{array}$$

$$\begin{array}{r} 380+ \\ 125 \\ \hline \end{array}$$

$$\begin{array}{r} 441+ \\ 69 \\ \hline \end{array}$$

EX

$$\begin{array}{r} 396- \\ 146 \\ \hline \end{array}$$

$$250$$

$$\begin{array}{r} 842+ \\ 158 \\ \hline \end{array}$$

$$584$$

$$\begin{array}{r} 699+ \\ 368 \\ \hline \end{array}$$

$$\begin{array}{r} 439+ \\ 218 \\ \hline \end{array}$$

$$\begin{array}{r} 625+ \\ 181 \\ \hline \end{array}$$

$$\begin{array}{r} 524+ \\ 418 \\ \hline \end{array}$$

NOME	COGNOME
CLASSE	DATA

Prova N°3 pag.1/1

Obiettivo di competenza	Calcolare il risultato di semplici moltiplicazioni e divisioni.
-------------------------	---

EX

$3 \times 8 = 24 \quad 5 \times 9 = 45$

$6 \times 6 = \underline{\quad} \quad 7 \times 3 = \underline{\quad} \quad 4 \times 9 = \underline{\quad} \quad 3 \times 8 = \underline{\quad}$

$\square \times 8 = 16 \quad 3 \times \square = 6 \quad 7 \times \square = 35$

EX

$$\begin{array}{r} 34 \times \\ 2 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 42 \times \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \times \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 205 \times \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 126 \times \\ 2 \\ \hline \end{array}$$

EX

$12 : 3 = 4 \quad 20 : 4 = 5$

$36 : 9 = \underline{\quad} \quad 40 : 8 = \underline{\quad} \quad 24 : 6 = \underline{\quad}$

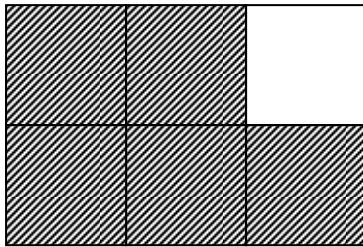
$96 : 4 = \underline{\quad} \quad 85 : 5 = \underline{\quad} \quad 96 : 8 = \underline{\quad}$

NOME	COGNOME
CLASSE	DATA

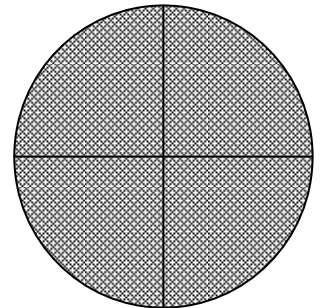
Prova N°4 A pag.1/1

Obiettivo di competenza	Rappresentare frazioni di numeri.
-------------------------	-----------------------------------

ESEMPIO



$$\frac{5}{6}$$



Obiettivo di competenza	Calcolare frazioni di numeri.
-------------------------	-------------------------------

ESEMPIO

$$\frac{5}{6} \text{ di } 24 = (24 : 6) \times 5 = 4 \times 5 = 20$$

$$\frac{2}{9} \text{ di } 36 = ($$

$$\frac{3}{5} \text{ di } 45 = ($$

NOME	COGNOME
CLASSE	DATA

Prova N°4 B pag.1/1

Obiettivo di competenza	Comporre e scomporre numeri decimali.
-------------------------	---------------------------------------

	uk	h	da	u	d	c	m
35,28			3	5	2	8	
2,321				2			
1782,3							
400,56							
(*)		3	2	1	0	5	
			4	0	2	3	1
			9	6	4	8	

(*) da svolgersi da parte dell'insegnante mentre l'alunno osserva a titolo di esempio.

Obiettivo di competenza:	Trasformare frazioni decimali in numeri decimali
--------------------------	--

ESEMPIO $\frac{8}{100} = 0,08$

$$\frac{33}{100} =$$

$$\frac{982}{1000} =$$

$$\frac{6}{10} =$$

$$\frac{24}{1000} =$$

$$\frac{4}{100} =$$

$$\frac{46}{10} =$$

NOME	COGNOME
CLASSE	DATA

Prova N° pag.1/1

Obiettivo di competenza	Operazioni complesse con i numeri naturali.
-------------------------	---

$$\begin{array}{r} 1425 + \\ 2387 = \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4325 - \\ 1325 = \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 235 \times \\ 12 = \\ \hline \\ \hline \end{array}$$

$$144 : 12 =$$

$$3425 : 5 =$$

$$123 + 42 - 8 \times 2 + 12 : 4 =$$

$$12 \times (45 - 42 + 7) - (23 - 13 + 25) =$$

Obiettivo di competenza	Operazioni complesse con i numeri decimali.
-------------------------	---

$$\begin{array}{r} 75,13 + \\ 125,27 = \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 125,45 - \\ 110,12 = \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12,5 \times \\ 6 = \\ \hline \\ \hline \end{array}$$

$$14,4 : 12 =$$

$$342,5 : 5 =$$

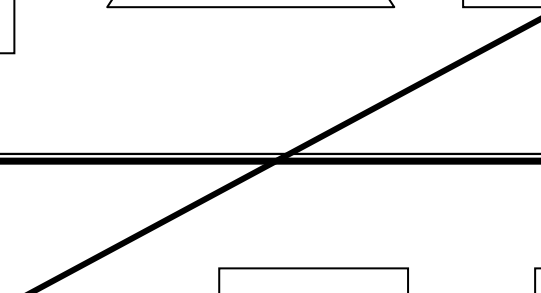
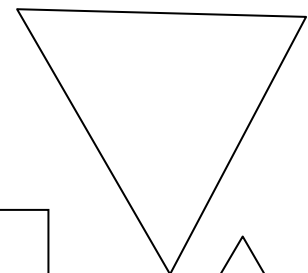
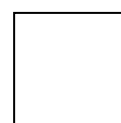
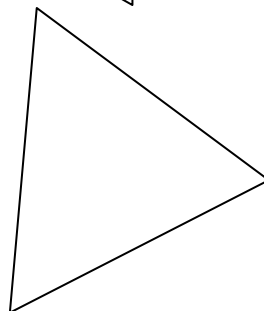
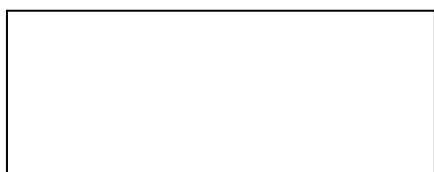
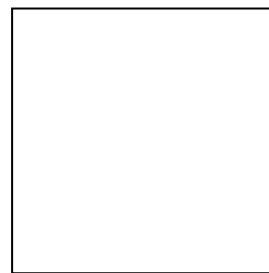
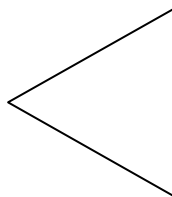
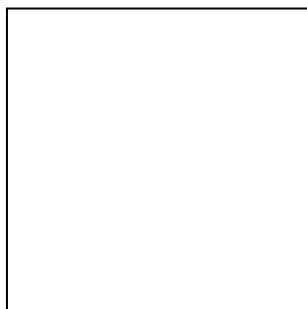
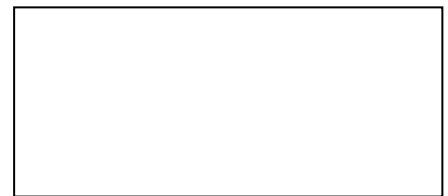
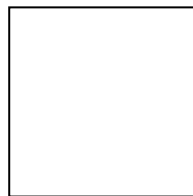
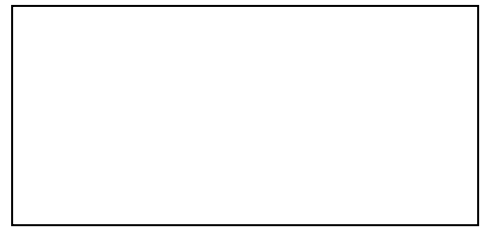
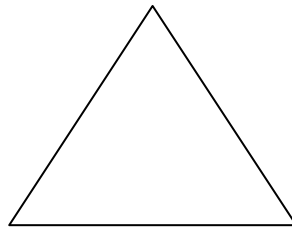
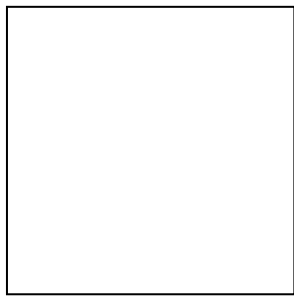
$$123,5 + 42,3 - 8,1 \times 2 + 12,8 : 4 =$$

$$12,5 \times (45,6 - 42,1 + 7,5) - (23,8 - 13,8) =$$

NOME	COGNOME
CLASSE	DATA

Prova N°1 pag.1/1

Obiettivo di competenza	Riconoscere la costanza della forma in figure geometriche di diversa grandezza e orientamento.
-------------------------	--

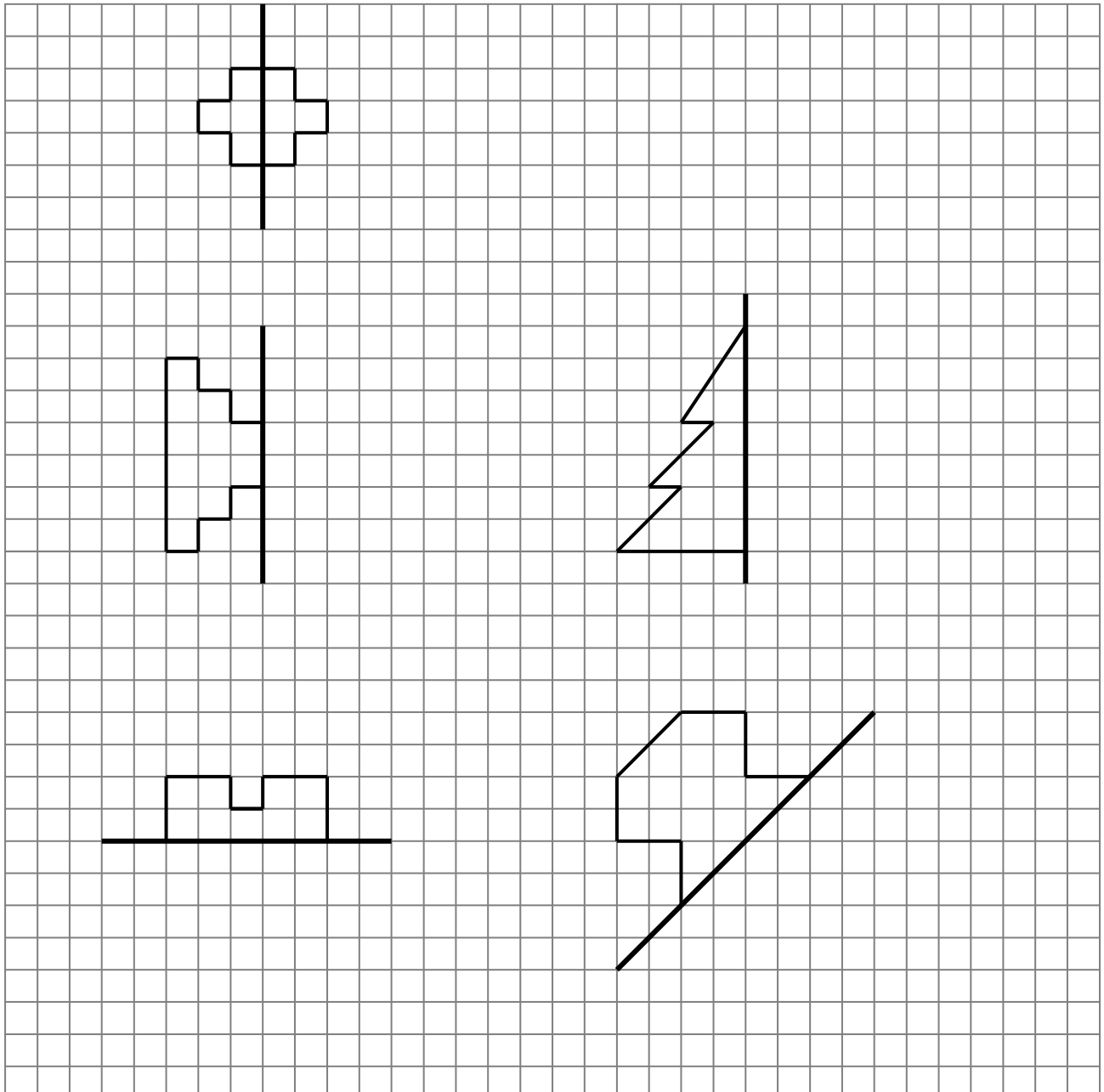


NOME	COGNOME
CLASSE	DATA

Prova N2 pag.1/1

Obiettivo di competenza	Riconoscere, individuare e costruire simmetrie.
-------------------------	---

ESEMPIO



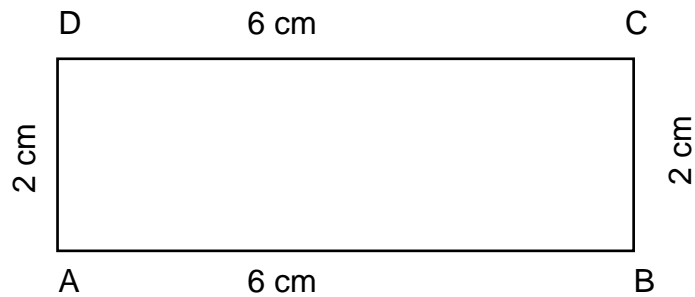
NOME	COGNOME
CLASSE	DATA

Prova N3 pag.1/1

Da eseguire eventualmente con il mediatore linguistico

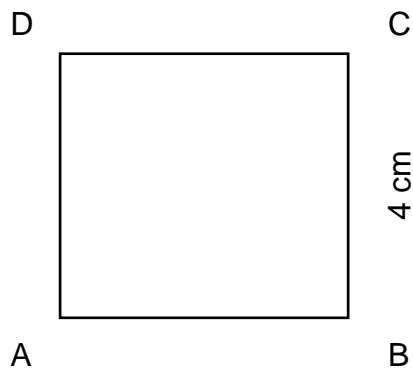
Obiettivo di competenza	Calcolare il perimetro delle figure geometriche note.
-------------------------	---

ESEMPIO

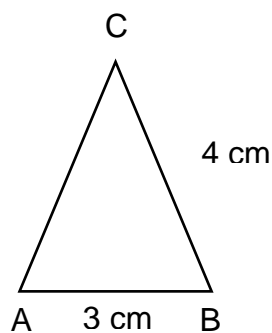


$$\overline{AB} + \overline{BC} + \overline{CD} + \overline{AD} = P$$

$$6 + 2 + 6 + 2 = 16 \text{ cm}$$



$$\overline{AB} + \overline{BC} + \overline{CD} + \overline{AD} = \underline{\hspace{2cm}}$$



$$\overline{AB} + \overline{BC} + \overline{CD} = \underline{\hspace{2cm}}$$

- fine I parte / segue II parte PROVE DI MATEMATICA / RELAZIONI -