

π	<b>Esercizi di apprendimento sul calcolo dell'area del cerchio</b>
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1. Un cerchio ha il raggio di 3 cm.

Calcola la sua area.

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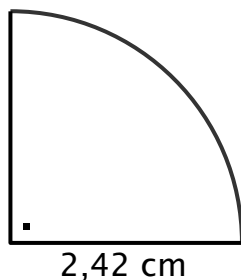
2. Un cerchio ha il diametro di 6 cm.

Calcola la sua area lasciando π nei calcoli e nel risultato.

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3. Calcola l'area dello "spicchio" di cerchio disegnato qui sotto.



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4. Trova il raggio di un cerchio equivalente a un quadrato di perimetro 42 cm (equivalente significa "che ha la stessa area").

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Se ti resta tempo...

5. Un esagono regolare è inscritto in una circonferenza. Sapendo che il perimetro del poligono misura 174 cm, determina la lunghezza della circonferenza e l'area del cerchio da essa definito.  
Fai prima uno schizzo della situazione.

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For a time I  
stood pondering on circle  
sizes. The large computer  
mainframe quietly processed all of its  
assembly code. Inside my entire hope lay for  
figuring out an elusive expansion. Value: pi.  
Decimals expected soon. I nervously entered a format  
procedure. The mainframe processed the request. Error.  
I, again entering it, carefully retyped. This iteration gave  
zero error printouts in all - success. Intently I waited.  
Soon, roused by thoughts within me, appeared narrative mnemonics  
relating digits to verbiage! The idea appeared to exist but only  
in abbreviated fashion - little phrases typically. Pressing on I  
then resolved, deciding firmly about a sum of decimals to use - likely  
around four hundred, presuming the computer code soon halted!  
Pondering these ideas, words appealed to me. But a problem of zeros did  
exist. Pondering more, solution subsequently appeared. Zero suggests a  
punctuation element. Very novel! My thoughts were culminated. No  
periods, I concluded. All residual marks of punctuation = zeros. First  
digit expansion answer then came before me. On examining some problems  
unhappily arose. That imbecilic bug! The printout I possessed showed four  
nine as foremost decimals. Manifestly troubling. Totally every number  
looked wrong. Repairing the bug took much effort. A pi mnemonic with  
letters truly seemed good. Counting of all the letters probably should  
suffice. Reaching for a record would be helpful. Consequently, I  
continued, expecting a good final answer from computer. First number  
slowly displayed on the the flat screen - 3. Good. Trailing digits  
apparently were right also. Now my memory scheme must probably be  
implementable. The technique was chosen, elegant in scheme: by self  
reference a tale mnemonically helpful was ensured. An able title  
suddenly existed - "Circle Digits". Taking pen I began. Words  
emanated uneasily. I desired more synonyms. Speedily I found my  
(alongside me) Thesaurus. Rogets is probably an essential in  
doing this, instantly I decided. I wrote and erased more.  
The Rogets clearly assisted immensely. My story  
proceeded (how lovely!) faultlessly. The end, above  
all, would soon joyfully overtake. So, this memory  
helper story is incontestably complete. Soon I  
will locate publisher. There a narrative  
will I trust immediately appear,  
producing fame. THE END.

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