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**XII Międzyszkolny Konkurs Matematyczny dla klas IV**

**„Mała Olimpiada Matematyczna”**

**27.05.2017 r.**

**Część II – czas trwania – 60 minut.**

**Za każde prawidłowo rozwiązane zadanie otrzymasz 5 punktów.**

**Pamiętaj o zapisywaniu wszystkich obliczeń w wyznaczonych miejscach**

**Podczas trwania konkursu nie wolno używać kalkulatora !**

1. W trzech klatkach mieszkają trzy węże: Pati, Edek i Kędziorek. Łączna długość wszystkich węży jest równa 18 metrów. Pati jest o 4 m dłuższa niż Edek, a Kędziorek jest dwa razy dłuższy niż Pati i Edek razem wzięci. Jaką długość ma Pati, jaką Edek, a jaką Kędziorek?

***Rozwiązanie:***

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1. Prostokąt ma obwód 18 cm i długości jego boków wyrażają się liczbami naturalnymi. Jeżeli długość jednego boku prostokąta zmniejszymy o 1 cm, a drugiego zwiększymy o 2 cm to otrzymamy kwadrat . Oblicz długości boków tego prostokąta .

***Rozwiązanie:***

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1. Kamil wypowiada średnio 150 słów na minutę. Ile czasu zajmie mu wygłoszenie przemówienia złożonego z 7500 słów? Ile słów wypowiedziałby Kamil, gdyby mówił bez przerwy półtorej godziny i o której godzinie musiałby zacząć mówić, aby skończyć o godz. 11:12?

***Rozwiązanie:***

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1. Za rower i rolki zapłacono 1520 zł. Kupując te same rolki i hulajnogę zapłacono 510 zł, a kupując rower i hulajnogę otrzymano rabat 150 zł i zapłacono 1400 zł. Oblicz ile kosztuje rower?

***Rozwiązanie:***

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