

Сначала первый велосипедист обогнал пятого (т.к. его скорость наименьшая), затем четвертого, третьего и второго. Так он обогнал их (4 велосипедистов) 5 раз \Rightarrow **48**
 второго он обогнал 20, а пятого - 21
 Ответ: 5-го велосипедиста

Такие числа могут быть: **38**
 $2 \dots 1$; $4 \dots 2$; $8 \dots 4$
 В каждом случае такие числа может быть
 $99 \Rightarrow 99 + 99 + 99 = 198 + 99 = 297$

Ответ: 297

$$\begin{cases} \frac{1}{x} + \frac{1}{y} = 6 \\ \frac{1}{y} + \frac{1}{z} = 4 \\ \frac{1}{z} + \frac{1}{x} = 5 \end{cases} \Rightarrow \begin{cases} \frac{1}{x} = 6 - \frac{1}{y} \\ \frac{1}{y} + \frac{1}{z} = 4 \\ \frac{1}{z} + \frac{1}{x} = 5 \end{cases}$$

$$\begin{cases} \frac{1}{y} + \frac{1}{z} = 4 \\ \frac{1}{z} + 6 - \frac{1}{y} = 5 \end{cases} \Rightarrow \begin{cases} \frac{1}{z} + \frac{1}{y} = 4 \\ -\frac{1}{z} - \frac{1}{y} = -1 \end{cases}$$

$$\frac{2}{y} = 5$$

$$5y = 2 \quad | :5$$

$$y = 0,4$$

$$\frac{1}{x} = 6 - \frac{5}{2}$$

$$\frac{1}{x} = \frac{7}{2}$$

$$7x = 2 \quad | :7$$

$$x = \frac{2}{7}$$

$$\frac{1}{z} = 4 - \frac{5}{2}$$

$$\frac{1}{z} = \frac{3}{2}$$

$$3z = 2 \quad | :3$$

Ответ: $x = \frac{2}{7}$; $y = 0,4$; $z = \frac{2}{3}$

75

Answer: 21 05

Faint, illegible text at the top of the page, possibly a question or introductory paragraph.

Second block of faint, illegible text, possibly a continuation of the question or a partial answer.

$$\begin{array}{r}
 \frac{1}{2} \times \frac{3}{4} = \frac{3}{8} \\
 \frac{1}{3} \times \frac{2}{5} = \frac{2}{15} \\
 \frac{1}{4} \times \frac{1}{2} = \frac{1}{8} \\
 \frac{1}{5} \times \frac{3}{7} = \frac{3}{35} \\
 \frac{1}{6} \times \frac{4}{9} = \frac{2}{27} \\
 \frac{1}{7} \times \frac{5}{8} = \frac{5}{56} \\
 \frac{1}{8} \times \frac{6}{10} = \frac{3}{40} \\
 \frac{1}{9} \times \frac{7}{11} = \frac{7}{99} \\
 \frac{1}{10} \times \frac{8}{12} = \frac{2}{15} \\
 \frac{1}{11} \times \frac{9}{13} = \frac{9}{143} \\
 \frac{1}{12} \times \frac{10}{14} = \frac{5}{72} \\
 \frac{1}{13} \times \frac{11}{15} = \frac{11}{195} \\
 \frac{1}{14} \times \frac{12}{16} = \frac{3}{35} \\
 \frac{1}{15} \times \frac{13}{17} = \frac{13}{255} \\
 \frac{1}{16} \times \frac{14}{18} = \frac{7}{144} \\
 \frac{1}{17} \times \frac{15}{19} = \frac{15}{323} \\
 \frac{1}{18} \times \frac{16}{20} = \frac{2}{15} \\
 \frac{1}{19} \times \frac{17}{21} = \frac{17}{399} \\
 \frac{1}{20} \times \frac{18}{22} = \frac{9}{220} \\
 \frac{1}{21} \times \frac{19}{23} = \frac{19}{483} \\
 \frac{1}{22} \times \frac{20}{24} = \frac{5}{66} \\
 \frac{1}{23} \times \frac{21}{25} = \frac{21}{575} \\
 \frac{1}{24} \times \frac{22}{26} = \frac{11}{312} \\
 \frac{1}{25} \times \frac{23}{27} = \frac{23}{675} \\
 \frac{1}{26} \times \frac{24}{28} = \frac{3}{39} \\
 \frac{1}{27} \times \frac{25}{29} = \frac{25}{783} \\
 \frac{1}{28} \times \frac{26}{30} = \frac{1}{7} \\
 \frac{1}{29} \times \frac{27}{31} = \frac{27}{901} \\
 \frac{1}{30} \times \frac{28}{32} = \frac{7}{75} \\
 \frac{1}{31} \times \frac{29}{33} = \frac{29}{1023} \\
 \frac{1}{32} \times \frac{30}{34} = \frac{15}{352} \\
 \frac{1}{33} \times \frac{31}{35} = \frac{31}{1155} \\
 \frac{1}{34} \times \frac{32}{36} = \frac{4}{39} \\
 \frac{1}{35} \times \frac{33}{37} = \frac{33}{1295} \\
 \frac{1}{36} \times \frac{34}{38} = \frac{17}{648} \\
 \frac{1}{37} \times \frac{35}{39} = \frac{35}{1443} \\
 \frac{1}{38} \times \frac{36}{40} = \frac{3}{38} \\
 \frac{1}{39} \times \frac{37}{41} = \frac{37}{1599} \\
 \frac{1}{40} \times \frac{38}{42} = \frac{19}{840} \\
 \frac{1}{41} \times \frac{39}{43} = \frac{39}{1763} \\
 \frac{1}{42} \times \frac{40}{44} = \frac{10}{117} \\
 \frac{1}{43} \times \frac{41}{45} = \frac{41}{1935} \\
 \frac{1}{44} \times \frac{42}{46} = \frac{7}{165} \\
 \frac{1}{45} \times \frac{43}{47} = \frac{43}{2115} \\
 \frac{1}{46} \times \frac{44}{48} = \frac{11}{117} \\
 \frac{1}{47} \times \frac{45}{49} = \frac{45}{2301} \\
 \frac{1}{48} \times \frac{46}{50} = \frac{23}{600} \\
 \frac{1}{49} \times \frac{47}{51} = \frac{47}{2501} \\
 \frac{1}{50} \times \frac{48}{52} = \frac{6}{625} \\
 \frac{1}{51} \times \frac{49}{53} = \frac{49}{2703} \\
 \frac{1}{52} \times \frac{50}{54} = \frac{25}{1368} \\
 \frac{1}{53} \times \frac{51}{55} = \frac{51}{2915} \\
 \frac{1}{54} \times \frac{52}{56} = \frac{13}{675} \\
 \frac{1}{55} \times \frac{53}{57} = \frac{53}{3135} \\
 \frac{1}{56} \times \frac{54}{58} = \frac{9}{280} \\
 \frac{1}{57} \times \frac{55}{59} = \frac{55}{3363} \\
 \frac{1}{58} \times \frac{56}{60} = \frac{4}{65} \\
 \frac{1}{59} \times \frac{57}{61} = \frac{57}{3591} \\
 \frac{1}{60} \times \frac{58}{62} = \frac{29}{1800} \\
 \frac{1}{61} \times \frac{59}{63} = \frac{59}{3861} \\
 \frac{1}{62} \times \frac{60}{64} = \frac{15}{322} \\
 \frac{1}{63} \times \frac{61}{65} = \frac{61}{4095} \\
 \frac{1}{64} \times \frac{62}{66} = \frac{31}{2016} \\
 \frac{1}{65} \times \frac{63}{67} = \frac{63}{4335} \\
 \frac{1}{66} \times \frac{64}{68} = \frac{8}{165} \\
 \frac{1}{67} \times \frac{65}{69} = \frac{65}{4611} \\
 \frac{1}{68} \times \frac{66}{70} = \frac{3}{34} \\
 \frac{1}{69} \times \frac{67}{71} = \frac{67}{4881} \\
 \frac{1}{70} \times \frac{68}{72} = \frac{17}{1225} \\
 \frac{1}{71} \times \frac{69}{73} = \frac{69}{5181} \\
 \frac{1}{72} \times \frac{70}{74} = \frac{35}{2592} \\
 \frac{1}{73} \times \frac{71}{75} = \frac{71}{5475} \\
 \frac{1}{74} \times \frac{72}{76} = \frac{6}{61} \\
 \frac{1}{75} \times \frac{73}{77} = \frac{73}{5925} \\
 \frac{1}{76} \times \frac{74}{78} = \frac{37}{2964} \\
 \frac{1}{77} \times \frac{75}{79} = \frac{75}{6081} \\
 \frac{1}{78} \times \frac{76}{80} = \frac{19}{1950} \\
 \frac{1}{79} \times \frac{77}{81} = \frac{77}{6435} \\
 \frac{1}{80} \times \frac{78}{82} = \frac{39}{3200} \\
 \frac{1}{81} \times \frac{79}{83} = \frac{79}{6723} \\
 \frac{1}{82} \times \frac{80}{84} = \frac{10}{1029} \\
 \frac{1}{83} \times \frac{81}{85} = \frac{81}{7053} \\
 \frac{1}{84} \times \frac{82}{86} = \frac{41}{3528} \\
 \frac{1}{85} \times \frac{83}{87} = \frac{83}{7395} \\
 \frac{1}{86} \times \frac{84}{88} = \frac{6}{65} \\
 \frac{1}{87} \times \frac{85}{89} = \frac{85}{7731} \\
 \frac{1}{88} \times \frac{86}{90} = \frac{43}{4000} \\
 \frac{1}{89} \times \frac{87}{91} = \frac{87}{8091} \\
 \frac{1}{90} \times \frac{88}{92} = \frac{22}{2250} \\
 \frac{1}{91} \times \frac{89}{93} = \frac{89}{8463} \\
 \frac{1}{92} \times \frac{90}{94} = \frac{45}{4640} \\
 \frac{1}{93} \times \frac{91}{95} = \frac{91}{8835} \\
 \frac{1}{94} \times \frac{92}{96} = \frac{23}{2352} \\
 \frac{1}{95} \times \frac{93}{97} = \frac{93}{9215} \\
 \frac{1}{96} \times \frac{94}{98} = \frac{47}{2400} \\
 \frac{1}{97} \times \frac{95}{99} = \frac{95}{9701} \\
 \frac{1}{98} \times \frac{96}{100} = \frac{24}{2450} \\
 \frac{1}{99} \times \frac{97}{101} = \frac{97}{9999} \\
 \frac{1}{100} \times \frac{98}{102} = \frac{49}{5100}
 \end{array}$$

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