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Simplification Practice Sheet

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$$999\frac{1}{7} + 999\frac{2}{7} + 999\frac{3}{7} + 999\frac{4}{7} + 999\frac{5}{7} + 999\frac{6}{7}$$

Simplified to:

a. 2997 b. 2979 c. 5994 d. 5997

$$10\frac{1}{2} - [8\frac{1}{2} + \{6 - (7 - \overline{6 - 4})\}]$$

a. $\frac{5}{2}$ b. 2 c. 1 d. 3

Simplify:

$$1 \div \frac{3}{7} \text{ of } (6+8x\overline{3-2}) + [\frac{1}{5} \div \frac{7}{25} - \{\frac{3}{7} + \frac{8}{14}\}]$$

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$$4\frac{1}{2} - 3\frac{1}{7} + 13\frac{2}{7} - 8\frac{1}{4} = ?$$

a. $5\frac{11}{28}$ b. $5\frac{13}{28}$ c. $6\frac{11}{28}$ d. $5\frac{15}{28}$ e. $6\frac{17}{28}$

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$$7\frac{1}{6}+9\frac{2}{3}-4\frac{1}{2}=?-5\frac{5}{6}+6\frac{1}{2}+3\frac{1}{6}$$

Ans : _____

$$27\frac{3}{11} + 118\frac{2}{11} - 32\frac{5}{22} = 11\frac{6}{11} + x$$

Ans : _____

$$4\frac{1}{2} + 3\frac{1}{6} + ? + 2\frac{1}{3} = 13\frac{2}{5}$$

TITA:

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Which is greater?

a. $\frac{5}{9}$ or $\frac{15}{19}$

b. $\frac{7}{8}$ or $\frac{8}{9}$

c. $\frac{17}{19}$ or $\frac{20}{21}$

d. $\frac{13}{17}$ or $\frac{12}{18}$

e. $\frac{10}{13}$ or $\frac{20}{23}$


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Vedic Maths : Squares Without Using Pen -130

Squares of a Number Ending with 5 :

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Q. $[(68921)^{1/3} - (2744)^{1/3}]^{1/3} = ?$

a. 2 d. 3 c. 4 d. 5 e. *None of these*

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How to Find Cube Root of a Perfect Number

Find the Cube Root of the following numbers

1. $\sqrt[3]{970299}$
2. $\sqrt[3]{1601613}$
3. $\sqrt[3]{1815848}$

a. $\sqrt[3]{729} + \sqrt[2]{625} =$ b. $\sqrt{324} + \sqrt{256}$ c. $\sqrt[3]{216} \times \sqrt{81} - 40\ of\ \frac{1}{2}$
d. $= \sqrt{441} + \sqrt[3]{2197}$ e. $= \sqrt[3]{5832} + \sqrt[3]{2744}$

Q. $Four\ of\ the\ five\ parts\ numbered\ (a), (b), (c), (d)$, and (e) $in\ the\ following$ equation are exactly equal. You have to find out the part that is not equal to the other four. The number of that part is the answer.

a. $\sqrt[3]{729} + \sqrt[2]{625} =$ b. $\sqrt{324} + \sqrt{256}$ c. $\sqrt[3]{216} \times \sqrt{81} - 40\ of\ \frac{1}{2}$

d. $= \sqrt{441} + \sqrt[3]{2197}$ e. $= \sqrt[3]{5832} + \sqrt[3]{2744}$

The product of two consecutive even number is 9408 which of the following is the greatest number?

a)96 b)94 c)92 d)90 e) None of these

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Find the maximum number of trees which can be planted 10m apart on two sides of a straight road 1860m long ?

A man engaged a servant on the condition that he would pay him Rs. 90 and a turban after a service of one year. He served only for nine months and received the turban and Rs. 65. The price of the turban is:

Average of 4 consecutive even No's P, Q, R, S (increasing order) is 51. What is product of P and S?

(a) 2592 (b) 2594 (c) 5293 (d) 2596

The average of 37 consecutive No is 54. The largest of these number is? (a) 72 (b) 70 (c) 74 (d) 76

Average of 41 consecutive odd No. is 49. Which of the following is the largest?

(a) 87 (b) 85 (c) 83 (d) 89