

Worksheet

- Choose the correct option.
 - $\frac{0.3 \times 0.12}{0.9 \times 0.08}$ gives
 - 0.5
 - 0.05
 - 0.02
 - 0.2
 - If $10x = 0.04 \times 0.5$, then the value of x is
 - 2
 - 0.02
 - 0.2
 - 0.002
 - If $\frac{x}{100} = 1.35 \times 2$, then the value of x is
 - 270
 - 2.7
 - 135
 - 1.35
 - $0.11 \times 0.11 = 121 \times$ _____
 - 0.001
 - 0.0001
 - 0.01
 - 0.1
 - $0.6 \div 0.2 \times 0.1 =$
 - 3
 - 0.003
 - 0.3
 - 30
- Simplify:
 - $23.45 + 0.123 + 6.501 + 213.1623$
 - $90.12 + 0.9876 + 1.201 + 789.3$
 - Subtract 156.1 from 1000
 - Subtract 0.876 from 1.
- Convert the following decimals into like decimals.
 - 6.7, 0.425, 1.24, 21.1325
 - 2.01, 1.7, 100.6, 320.167
- Compare the following decimals by putting $<$, $>$ or $=$.
 - 0.20 _____ 2.8
 - $12.18 + 0.72$ _____ $21.1 - 8.2$
 - 1.6×0.5 _____ 0.4×0.2
 - $7 \div 0.5$ _____ 3.5×4
 - 100.189 _____ 100.9
- If $256 \times 18 = 4608$, then find:
 - 2.56×1.8
 - $0.256 \times .018$
 - 25.6×18
 - 25.6×0.18
- Divide:
 - $36.5 \div 10$
 - $24 \div 100$
 - $36.456 \div 14$
 - $0.678 \div 300$
- Simplify:
 - 7.209×0.08
 - $\frac{0.36 \times 0.27}{0.18 \times 0.3}$
 - $\frac{0.85 \times 0.085}{8.5 \times 0.85}$
 - $\frac{0.3 \times 0.3}{0.9}$
- Evaluate:
 - $6.8 + 7.2 \div 0.09$
 - $131.2 \div (15.6 - 7.4)$
 - $0.65 \div 0.5 - 2.5$ of 0.04

9. Convert the following decimals into fractions in their simplest form:
 a. 1.05 b. 0.0012 c. 0.025 d. 8.5
10. Convert the following fractions into decimals. Also, write which of them are terminating and non-terminating decimals:
 a. $\frac{4}{15}$ b. $\frac{9}{11}$ c. $3\frac{2}{9}$ d. $\frac{14}{100}$ e. $\frac{3458}{10}$ f. $\frac{214}{105}$
11. Write the expanded form of the following:
 a. 196.93 b. 28.482 c. 288.142
12. Round off the following numbers as instructed:
 a. 45.346 to the nearest tenths b. 109.9781 to the nearest hundredths
 c. 0.0998 to the nearest tenths d. 1.8609 to the nearest thousandths
13. Write the following as instructed:
 a. 12.045 correct to 3 significant figures
 b. 8.250 correct to 2 significant figures
 c. 4089.98 correct to 4 significant figures
 d. 65.910 correct to 2 significant figures
14. A stack of metal sheets of equal thickness is 54 cm high. If one metal sheet is of thickness 1.2 cm, how many metal sheets are there in the stack?
15. 50.80 litres of apple juice was mixed with 10.40 litres of grape juice and distributed to people who attended a party. The capacity of one glass of the solution was 240 mL. If all the juice was consumed, how many people attended the party?

Answers to Worksheet

1. a. i b. iv c. i d. ii e. iii
2. a. 243.2363 b. 881.6086 c. 843.9 d. 0.124
3. a. 6.7000, 0.4250, 1.2400, 21.1325
 b. 2.010, 1.700, 100.600, 320.167
4. a. < b. = c. > d. = e. <
5. a. 4.608 b. 0.004608 c. 460.8 d. 4.608
6. a. 3.65 b. 0.24 c. 2.604 d. 0.00226
7. a. 0.57672 b. 1.8 c. 0.01 d. 0.1
8. a. 86.8 b. 16 c. 1.2
9. a. $\frac{21}{20}$ b. $\frac{3}{2500}$ c. $\frac{1}{40}$ d. $\frac{17}{2}$
10. a. $0.\overline{26}$, non-terminating b. $0.\overline{81}$, non-terminating
 c. $3.\overline{2}$, non-terminating d. 0.14, terminating
 e. 345.8, terminating f. 2.038095238, non-terminating

11. a. $1 \times 100 + 9 \times 10 + 6 \times 1 + 9 \times \frac{1}{10} + 3 \times \frac{1}{100}$
b. $2 \times 10 + 8 \times 1 + 4 \times \frac{1}{10} + 8 \times \frac{1}{100} + 2 \times \frac{1}{1000}$
c. $2 \times 100 + 8 \times 10 + 8 \times 1 + 1 \times \frac{1}{10} + 4 \times \frac{1}{10} + 2 \times \frac{1}{100}$
12. a. 45.3 b. 109.98 c. 0.1 d. 1.861
13. a. 12.0 b. 8.3 c. 4090 d. 66
14. 45
15. 255