

FRACTIONS, DECIMALS, PERCENTAGES

Task 1

- 1) Write one quarter as a fraction, decimal and a percentage.
- 2) Write one half as a fraction, decimal and a percentage.
- 3) Write three quarters as a fraction, decimal and a percentage.
- 4) Write one whole as a fraction, decimal and a percentage.
- 5) Write one tenth as a fraction, decimal and a percentage.

Task 2 – For each of the following, write the fractions in simplest form.

- 6) Write 0.6 as a fraction and a percentage.
- 7) Write 0.2 as a fraction and a percentage.
- 8) Write 0.4 as a fraction and a percentage.
- 9) Write 0.75 as a fraction and a percentage.
- 10) Write 0.125 as a fraction and a percentage.

- 11) Write 0.8 as a fraction and a percentage.
- 12) Write 0.05 as a fraction and a percentage.
- 13) Write 0.3 as a fraction and a percentage.

Task 3

- 14) Write $\frac{3}{5}$ as a decimal and a percentage.
- 15) Write $\frac{2}{3}$ as a decimal (to 3 decimal places) and a percentage (to 1 decimal place).
- 16) Write $\frac{1}{7}$ as a decimal (to 3 decimal places) and a percentage (to 1 decimal place).
- 17) Write $\frac{5}{10}$ as a decimal and a percentage.
- 18) Write $\frac{7}{9}$ as a decimal (to 3 decimal places) and a percentage (to 1 decimal place).
- 19) Write $\frac{7}{10}$ as a decimal and a percentage.
- 20) Write $\frac{9}{10}$ as a decimal and a percentage.
- 21) Write $\frac{5}{8}$ as a decimal and a percentage.

Task 4 – For each of the following, write the fractions in simplest form.

22) Write 15% as a decimal and a fraction.

23) Write 1% as a decimal and a fraction.

24) Write 27% as a decimal and a fraction.

25) Write 80% as a decimal and a fraction.

26) Write 37.5% as a decimal and a fraction.

27) Write 88% as a decimal and a fraction.

28) Write 250% as a decimal and a fraction.

29) Write 110% as a decimal and a fraction.

Task 5 – List the following numbers in ascending order.

30) 0.5, 60%, $\frac{1}{4}$

31) $\frac{1}{3}$, 33%, 0.3

32) 90%, $\frac{7}{8}$, 0.85

33) $\frac{3}{4}$, 70%, 0.8, 0.755, $\frac{19}{25}$

34) $\frac{1}{5}$, 0.15, 25%, 0.205, $\frac{2}{7}$

Task 6

35) Fred saves 15% of his monthly pay. He spends $\frac{3}{4}$ on expenses and bills. The rest is his leftover spending money.

a. What percentage of his pay does Fred spend on expenses and bills?

b. What percentage of his pay does Fred have left for spending?

36) Jasmine has a monthly budget for her office. She saves 5% of the budget. She spends $\frac{4}{5}$ of the budget on rent. The rest is for miscellaneous office supplies.

a. What percentage is left for miscellaneous office supplies?

b. Write your answer to part a, as a decimal equivalent.