

TUTORIAL SHEET (1)

1) $30 - 24 \times 2$

=

=

2) $8 + 12 \div 4 \times 3$

=

=

3) $2 \cdot 4 + \cdot 16 + 4$

=

4) $\frac{3}{8} + \frac{5}{8}$

=

5) $\frac{5}{8} \div \frac{3}{8}$

=

=

6) $(3\frac{1}{2})^2$

=

=

7) $2\frac{1}{2} - \frac{5}{6}$

=

=

8) 456×100

=

9) $46 \cdot 2 \div 10$

=

10) $8 \cdot 3 \times 10^3$

=

Convert to a Percentage:- (%)

11) $\frac{1}{4}$

=

12) $\frac{2}{5}$

=

13) $\frac{9}{10}$

=

14) $\frac{7}{20}$

=

15) $\frac{5}{6}$

=

Convert to its Simplest Fraction:-

16) 70%

=

17) 75%

=

18) 15%

=

19) 125%

=

20) $12\frac{1}{2}\%$

=

Simplify

21) $3p + 2p - 4p + p =$

22) $7 - 9 + 8 - 3 =$

23) $\frac{3}{10} - \frac{7}{10} + \frac{9}{10} =$

24) $12x - 3y - 7x - 2y =$

(1) -18 (2) 17 (3) 6.56 (4) 1 (5) $5\frac{1}{3}$ (6) $12\frac{1}{4}$ (7) $5\frac{1}{3}$

(8) 45.6 (9) 4.62 (10) 8300 (11) 25% (12) 40%

(13) 90% (14) 35% (15) $83\frac{1}{3}\%$ (16) $\frac{7}{10}$ (17) $3\frac{1}{4}$

(18) $3\frac{1}{20}$ (19) $5\frac{1}{4}$ (20) $\frac{1}{8}$ (21) 2p (22) 3 (23) $\frac{1}{2}$

(24) $5x - 5y$

ANSWERS

WORKSHEET - Percentages

SET 1C

1. EXPRESS THE FOLLOWING PERCENTAGES AS (i) DECIMALS (ii) FRACTIONS IN THEIR LOWEST TERMS.

- (a) 75% (b) 28% (c) 6% (d) 40%
 (e) $12\frac{1}{2}\%$ (f) $62\frac{1}{2}\%$ (g) $66\frac{2}{3}\%$ (h) $8\frac{3}{4}\%$

2. EXPRESS THE FOLLOWING AS PERCENTAGES

- (a) 0.71 (b) 0.08 (c) 0.835
 (d) $\frac{24}{25}$ (e) $\frac{3}{8}$ (f) $\frac{1}{3}$

3. WHAT PERCENTAGE IS

- (a) \$1.50 of \$2 (b) 750ml of 3l

4. FIND

- (a) 40% of 1m (b) 75% of \$280
 (c) 43.65% of 10000 (d) 2% of \$137

5. (a) A STUDENT'S TEST MARK IS 29 OUT OF 40. WHAT PERCENTAGE IS THIS?

(b) DETERMINE WHICH IS THE LARGEST: $\frac{7}{8}$, 0.81, 85%, 61 out of 70

(c) EXPRESS $6\frac{1}{4}\%$ AS A FRACTION IN ITS LOWEST TERMS, AND HENCE FIND $6\frac{1}{4}\%$ OF \$80

6. (a) FIND THE AMOUNT OBTAINED BY INCREASING 420 BY 10%.

(b) IF A METRE LENGTH IS REDUCED BY 4%, WHAT LENGTH REMAINS?

(c) A SUM OF \$100 IS INCREASED BY 20% AND THE RESULTING SUM IS THEN DECREASED BY 20%. IS THE FINAL ANSWER STILL \$100? IF NOT, WHAT SUM IS OBTAINED?

ANSWERS

- (1) (a) 0.75 (b) 0.28 (c) 0.06 (d) 0.4 (e) 0.125 (f) 0.625 (g) 0.9 (h) 0.0815
 (2) (a) 71% (b) 8% (c) $83\frac{3}{4}\%$ (d) 96% (e) 37 $\frac{1}{2}\%$ (f) $33\frac{3}{4}\%$ (g) 75% (h) 25%
 (3) (a) 400mm (b) \$210 (c) 4365 (d) \$2.74 (e) $72\frac{1}{2}\%$ (f) $\frac{7}{8}$ (g) $\frac{1}{2}$ (h) \$5
 (4) (a) \$462 (b) 960mm (c) 297 (d) \$96