



# TUITION HOMEWORK SHEET 32

1.  $-437 + -925$
2.  $759 - -567$
3.  $510 \times -26$
4.  $681 \div -0.05$
5. What is the HCF of 374 and 918?
6. What is the LCM of 82 and 102?
7. Find the mean, mode, median and range of: 4, 2, 4, 6, 4
8. Convert  $\frac{4}{25}$  to a percentage.
9. Convert 95% to a simplified fraction.
10. Find the 58<sup>th</sup> term in the following sequence: 12, 19, 26, 33,
11. Troy buys 5 shorts and 2 trousers for £110.. If a pair of trousers is £15 each-, how much does a shirt cost?
12. Mandy buys a dozen eggs from a grocery store. Each egg cost 39p. If she pays the shopkeeper with a £5 note, how much change dies she receive?

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15. Connor eats fish on both Mondays and Fridays. If the first day of April is on a Tuesday, what fraction of days did he eat fish in the month?
16. Hamley's Toy Store has a discount on all of its toys. The racing cars and the dollhouse is reduced by 20% and 25% respectively. If I buy a racing car for £12 and buy 2 dolls houses for £15 each after the discount, how much money did I save?
17. Sachin hits two centuries every 5 test matches. If he plays 65 test matches every year, how many centuries will he hit in 12 years?
18. If the scale is 1:800 & the length on map = 6cm. Find the actual distance from A to B in m.
19. A house increases in value from £200,000 to £260,000. What is the percentage increase?
20. Find the area of a circle with a circumference of 72cm. ( $\pi=3$ )
21. Find the volume in  $\text{cm}^3$  of a cuboid with the dimensions 6cm by 20mm by 0.5m.
22. What is the least number of coins I can use to pay for £1.45 bagel in exact change?
23. Estimate  $4.89^0 + 4.06^2$
24. It takes 12 minutes to catch 8 Pokémon in the park. How many Pokémon can you catch in an hour?
25. Maria picks a number that add together to make 29 and multiply together to make 204. What are the two numbers?
26. What is a third of a fourth of a fifth as a fraction?