

Yr 10 Assessment

Name:

1. Circle the smallest number 7.094 7.102 7.036 7.04

2. Write the following numbers in order of size, starting with the smallest number

0.4 0.02 0.37 0.152 0.2

3. Circle the largest number 4.658 or 46.58

4. Put these weights in order of size from smallest to largest:

0.63kg 6.006kg 0.6kg 0.603kg

5. Work out $718.6 \div 100 =$ _____

6. Work out $0.7 \times 10 =$ _____

7. Write down the first five multiples of 5 _____

Write down the first five multiples of 3 _____

What is the Lowest Common Multiple _____

8. Is 732 a multiple of 3? _____

9. Circle the multiples of 5 in this list 15 203 300 375 465

10. Here is a list of numbers 3 5 7 12 15 18 20

From the list, write down a factor of 10 _____

11. List the factors of 12

List the factors of 18

Factors _____, _____, _____, _____, _____, _____

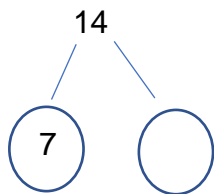
Factors _____, _____, _____, _____, _____, _____

What is the Highest Common Factor? _____

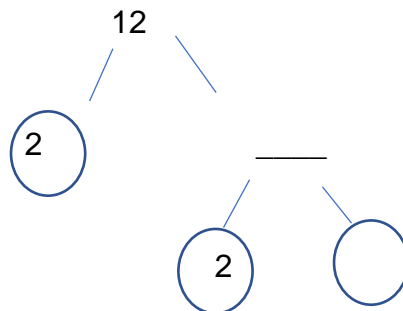
12. Write down the first 10 prime numbers _____

13. Is 1 a prime number? Explain your answer _____

14. Complete the following factor trees



Prime Factors _____



Prime Factors _____

15. Choose a number and make your own prime factor tree

16. Calculate $8^2 =$

17. Calculate $10^2 =$

18. Work out $2^3 =$

19. Which of these numbers is lower -8 or -4? Answer _____

20. In London, the temperature is -2°C . In Paris, it is 6°C . What is the difference in temperature between the two places? (Draw a number line if necessary)

Answer _____

The temperature in London drops by 6°C , what is the temperature now? _____

21. Work out

$$-8 + 2 = \underline{\hspace{2cm}}$$

$$-9 - 2 = \underline{\hspace{2cm}}$$

$$3 - 9 = \underline{\hspace{2cm}}$$

$$-7 + -5 = \underline{\hspace{2cm}}$$

$$-2 - +4 = \underline{\hspace{2cm}}$$

$$5 - -3 = \underline{\hspace{2cm}}$$

22. 8340 17,650 3200
 - 2378 - 9,820 - 2450

23. A man inherits £50 430 and buys a new van for £34,650. How much is left?

24. Sarah spends £2.75 on a sandwich and £1.32 on a cup of coffee. On Sunday she spent £1.60 on some soup. How much did she spend in total?

25. Paul has lost some weight. He used to weigh 93.7kg and now weighs 88.4 kg. How much weight has he lost?

26. What is $47.3 + 2.83$?

27. What is $59.8 - 8.78$?

28. What is $11.32 + 0.82$?

29. Sam goes to a shop. If he spends £20 or more he will get a free gift. He spends £12.99 on towels, £4.95 on flowers and £1.62 on seeds. Will he get the free gift? Explain your answer.