

WEEK: 22

Week Beginning: (17/08/2020)

Subject: MATHS

Year: 4

Lesson Objective:

- Be able to Identify Prime Numbers
- Be able to find Prime Factors of Numbers and Factor Trees

Class Worksheets

- I will use whiteboard to display own examples – to develop students understanding.
- ‘Prime numbers and factoring’ Worksheets

Homework

- Complete anything remaining from the classwork

Additional Notes

- All worksheets will be available below and the rest of the work will be displayed using the whiteboard
- All lesson worksheets and **homework for next week (due Week 23)** worksheets can be found below
- Week 21 homework will be marked in lesson hence make sure it is fully complete

Prime numbers (2-50)

Grade 5 Factoring Worksheet

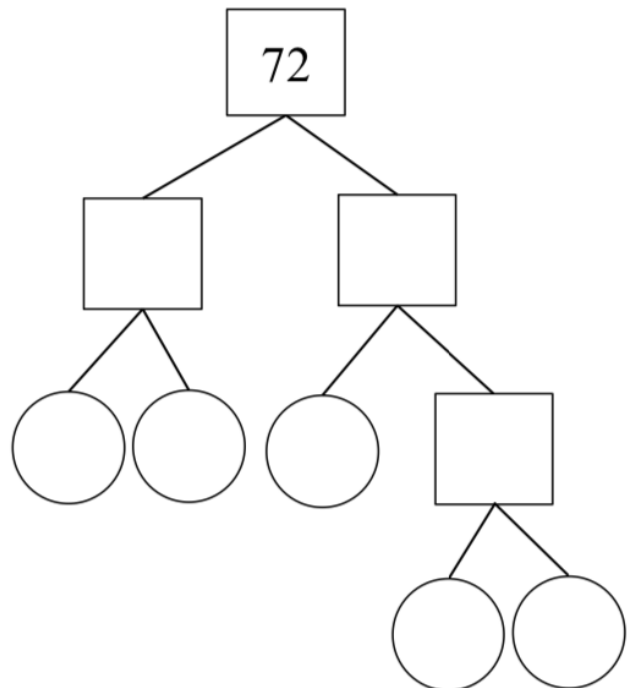
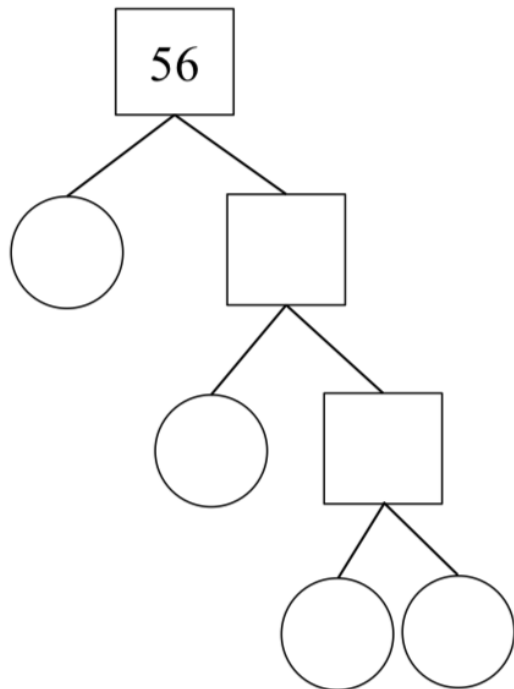
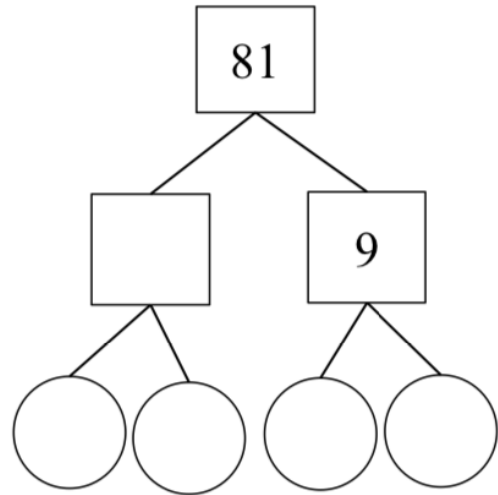
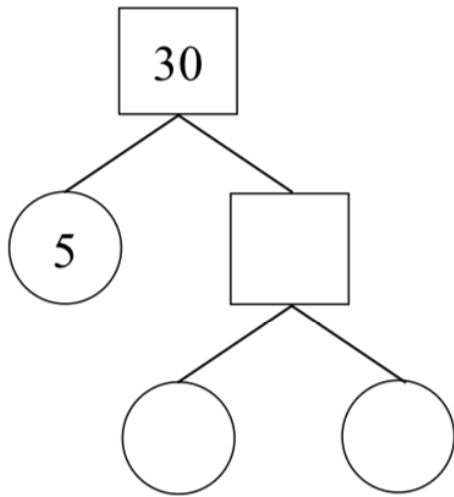
Circle the prime numbers.

18	27	23	8	7
33	39	37	22	16
3	6	9	5	11
30	41	36	25	29
17	32	38	13	47
30	38	28	16	40
5	25	35	45	15
16	4	2	12	18

Prime factor trees

Grade 5 Factoring Worksheet

Complete the factor tree to find the prime factors of each number.



Factoring numbers between 4 and 100

Grade 5 Factoring Worksheet

Example: The factors of 18 are 1, 2, 3, 6, 9 and 18

List the factors for each number.

1. 6 _____ 2. 7 _____

3. 81 _____ 4. 88 _____

5. 49 _____ 6. 85 _____

7. 64 _____ 8. 5 _____

9. 9 _____ 10. 92 _____

11. 91 _____ 12. 12 _____

Prime factors (numbers under 100)

Grade 5 Factoring Worksheet

Example: $24 = 2 \times 2 \times 2 \times 3$ (Not prime)

List the prime factors for each number. Is the number prime?

1. $17 =$ _____

2. $76 =$ _____

3. $78 =$ _____

4. $6 =$ _____

5. $47 =$ _____

6. $26 =$ _____

7. $29 =$ _____

8. $49 =$ _____

9. $41 =$ _____

10. $43 =$ _____

Prime factors (numbers under 500)

Grade 5 Factoring Worksheet

Example: $24 = 2 \times 2 \times 2 \times 3$ (Not prime)

List the prime factors for each number. Is the number prime?

1. $116 =$ _____

2. $428 =$ _____

3. $87 =$ _____

4. $436 =$ _____

5. $68 =$ _____

6. $196 =$ _____

7. $305 =$ _____

8. $406 =$ _____

9. $202 =$ _____

10. $499 =$ _____