

Yr 5 Multiplication and Division Unit 1 (5347)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Common Multiples Sheet 1

Working towards ARE

Day 1 Common Multiples Sheet 2

Working at ARE / Greater Depth

Day 2 Factors Sheet 1

Working at ARE

Day 3 Division word problems Sheet 1

Whole class practice

Working towards ARE / Working at ARE / Greater Depth

Common multiples

Sheet 1

1. Work in pairs. Each choose a different colour pencil.
2. Take it in turns to roll two 1–6 dice. If you roll 1, roll again.
3. Find a number on the grid that is a common multiple of both numbers. Ring it in your chosen colour.
4. Write a sentence about the common multiple.
5. Try to get four numbers in a row.

20	54	9	25	50
42	6	4	16	12
30	18	10	15	60
8	48	24	40	36

Common multiples Sheet 2

1. Work in pairs. Each choose a different colour pencil.
2. Take it in turns to roll two 0–9 dice. If you roll 0 or 1, roll again.
3. Find a number on the grid that is a common multiple of both numbers. Ring it in your chosen colour.
4. Write a number sentence about the common multiple.
5. Try to get four numbers in a row.

20	54	9	25	50
42	6	4	16	12
30	18	10	15	60
8	48	24	40	36

Factors Sheet 1

List **all** the factors of these numbers.

Before you start, discuss with a partner which number you think will have the most factors and which will have the fewest.

1. 12

2. 20

3. 40

4. 21

5. 36

6. 18

7. 27

8. 48

9. 50

10. 32

Division word problems

Sheet 1

1. Cans of soup come in packs of four. If someone has soup for lunch every day for a month of 30 days, how many packs do they need to buy?
2. Chef is making prawn starters. Each starter needs five large prawns. She has 77 large prawns. How many prawn starters can she make today?
3. Chef needs 75 eggs to make omelettes. The eggs come in boxes of 12. How many boxes does she need to buy?
4. Each omelette is made using three eggs. If she only has 43 eggs left, how many omelettes can she make?
5. Children have made 53 cards to sell at the school fair. If they are put in packs of four, how many packs can be made?
6. Year 5 need 43 new paint brushes. If they come in packs of 6, how many packs need to be bought?
7. Reception children are making cars. They have 73 wheels. How many cars can be made?
8. The school needs 90 new pencils. They come in packs of 12. How many packs need to be bought?
9. How many octagons could be made using 49 straws?
10. There are 75 straws. How many hexagons can be made?

Challenge

Work in pairs to write two problems similar to those above. Give them to another pair of children to solve.

5347 Answers

Day 2 Sheet 1 Factors

1. 12 - 1, 2, 3, 4, 6, 12
2. 20 - 1, 2, 4, 5, 10, 20
3. 40 - 1, 2, 4, 5, 8, 10, 20, 40
4. 21 - 1, 3, 7, 21
5. 36 - 1, 2, 3, 4, 6, 9, 12, 18, 36
6. 18 - 1, 2, 3, 6, 9, 18
7. 27 - 1, 3, 9, 27
8. 48 - 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
9. 50 - 1, 2, 5, 10, 25, 50
10. 32 - 1, 2, 4, 8, 16, 32

Day 3 Division word problems

1. 8 packs of soup.
2. 15 starters can be made.
3. 7 boxes of 12 eggs.
4. 14 omlettes can be made.
5. 13 packs of cards can be made.
6. 8 packs of brushes.
7. 18 cars can be made.
8. 8 packs of pencils.
9. 6 octagons can be made.
10. 12 hexagons can be made.