Yr 4 Multiplication and Division Unit 2 (4583)

Additional teacher instructions for practice sheets

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

Day 1 Multiplication and division facts Sheet 1 Working towards ARE / Working at ARE Working towards ARE fill in the yellow squares. Working at ARE fill in both the yellow squares and the grey squares.

Day 1 Multiplication and division facts Sheet 2 Greater Depth

Day 2 Matching factors Sheet 1

Working towards ARE / Working at ARE / Greater Depth Working towards ARE complete section A and do as many as they can of section B. Working at ARE do both sections A and B. Greater Depth complete sections B and C and aim to complete the challenge.

Day 3 Finding factors Sheet 1 Working towards ARE

Day 3 7 Finding factors Sheet 2 Working at ARE / Greater Depth Greater Depth must complete the challenge.

Multiplication and division facts

Sheet 1

Complete the multiplication grid:

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16		20	22	24
3		9	12	15		21	24	27	30	33	36
4	8			20	24	28	32	36	40	44	48
5	10	15		25	30	35	40	45	50	55	
6	12	18	24	30	36	42	48	54	60		
7	14	21	28	35	42	49		63	70	77	
8	16	24	32	40		56			80	88	96
9	18			45	54	63	72	81		99	108
10	20	30	40	50	60	70	80	90	100		120
11	22	33		55	66	77	88		110		132
12	24		48	60	72	84	96	108	120		

ChallengeUse the grid to complete these division facts: $\Rightarrow 5 = 8$ $42 \div = 7$ $11 = \Rightarrow 12$ $36 \div = 4$ $9 = \Rightarrow 12$ $110 \div 11 = \Rightarrow$ practice_mult-div_4583_day1

Multiplication and division facts

Sheet 2

Complete the multiplication grid:

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16				
3				15					30	33	
4	8			20					40		
5	10	15		25	30	35	40	45	50	55	
6								54			
7				35					70		
8	16										
9											
10	20	30	40	50	60	70	80	90			
11											
12	24										

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Matching factors

Sheet 1

Match each number to its factors. Add the number itself to the list of factors, e.g. 15 has 15 as a factor, so 15 must be added to 1, 3 and 5.

Section A	
15	3, 7, 1
6	2, 3, 1
21	3, 1, 5
10	2, 4, 3, 6, 12, 8, 1
12	1, 5, 2
24	2, 3, 4, 1, 6
Section B	
22	2, 1, 6, 9, 3
31	3, 1
9	2, 11, 1
36	5, 1, 2, 3, 15, 6, 10
18	1
30	1, 4, 2, 18, 9, 3, 6, 12
Section C	
34	1, 4, 2
4	2, 17, 1
16	3, 2, 4, 8, 12, 6, 16, 1, 24
39	4, 2, 1, 5, 10, 8, 20
48	3, 1, 13
40	8, 4, 1, 2

Challenge

Which has more factors: 99 or 100 or 101? Guess then test!

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Multiplication and division

Answers

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	1	2	3	4	5	6	7	8	9	10	11	12
	2	4	6	8	10	12	14	16	18	20	22	24
	3	6	9	12	15	18	21	24	27	30	33	36
	4	8	12	16	20	24	28	32	36	40	44	48
ĺ	5	10	15	20	25	30	35	40	45	50	55	60
ĺ	6	12	18	24	30	36	42	48	54	60	66	72
ĺ	7	14	21	28	35	42	49	56	63	70	77	84
ĺ	8	16	24	32	40	48	56	64	72	80	88	96
ĺ	9	18	27	36	45	54	63	72	81	90	99	108
	10	20	30	40	50	60	70	80	90	100	110	120
	11	22	33	44	55	66	77	88	99	110	121	132
	12	24	36	48	60	72	84	96	108	120	132	144

Day 1 Multiplication and division facts Sheets 1 and 2

Challenge $40 \div 5 = 8$ $42 \div 6 = 7$ $11 = 132 \div 12$ $36 \div 9 = 4$ $9 = 108 \div 12$ $110 \div 11 = 10$

Day 2 Matching factors Sheet 1

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Section **B** S 22: 1, 2, 11, 22 15: 1, 3, 5, 15 31: 1, 31 6: 1, 2, 3, 6 9: 1, 3, 9 21: 1, 3, 7, 21 36: 1, 2, 3, 4, 6, 9, 12, 18, 36 10: 1, 2, 5, 10 18: 1, 2, 3, 6, 9, 18 12: 1, 2, 3, 4, 6, 12

Section C

34: 1, 2, 17, 34 4: 1, 2, 4 16: 1, 2, 4, 8, 16 39: 1, 3, 13, 39 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48 40: 1, 2, 5, 8, 10, 20, 40

Challenge

24: 1, 2, 3, 4, 6, 8, 12, 24

100 has more factors than 99 or 101.

Day 3 Finding factors Sheet 1

Factors of 12 are 1, 2, 3, 4, 6, 12 Factors of 20 are 1, 2, 4, 5, 10, 20 Factors of 8 are 1, 2, 4, 8 Factors of 25 are 1, 5, 25 Factors of 30 are 1, 2, 3, 5, 6, 10, 15, 30

Challenge

Factors of 24 are 1 and 24, 2 and 12, 3 and 8, 4 and 6.

30: 1, 2, 3, 5, 6, 10, 15, 30

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Multiplication and division

Answers

Day 3 Finding factors Sheet 2

Factors of 60 are 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60 Factors of 18 are 1, 2, 3, 6, 9, 18 Factors of 72 are 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72 Factors of 84 are 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84 Factors of 50 are 1, 2, 5, 10, 25, 50

Challenge

Factors of 35 are 1 and 35, 5 and 7. Factors of 42 are 1 and 42, 2 and 21, 3 and 14, 6 and 7.

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