

Yr 3 Multiplication and division Unit 5 (3917)

Additional teacher instructions for practice sheets

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

Day 1 Dividing beyond the times tables Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE complete Set A.

Working at ARE complete Set A and start Set B.

Greater Depth complete Set B and do the Challenge.

Day 2 Find the remainders Sheet 1

Working towards ARE

Day 2 Find the remainders Sheet 2

Working at ARE / Greater Depth

Day 3 Division with remainders Sheet 1

Working towards ARE / Working at ARE / Greater Depth

Working towards ARE start at Q1 and do as many as they can.

Working at ARE start at Q6 and do as many as they can.

Greater Depth start at Q10, aiming to complete the Challenge.

Dividing beyond the times tables

Sheet 1

Set A

1. $52 \div 4$

2. $75 \div 5$

3. $39 \div 3$

4. $65 \div 5$

5. $60 \div 4$

6. $70 \div 5$

7. $45 \div 3$

8. $80 \div 5$

Set B

1. $42 \div 3$

2. $90 \div 5$

3. $48 \div 3$

4. $56 \div 4$

5. $95 \div 5$

6. $51 \div 3$

7. $68 \div 4$

8. $54 \div 3$

Challenge

1. $105 \div 5$

2. $112 \div 8$

Find the remainders

Sheet 1

Three of these questions will have something left over!
Can you find out which ones?

1. $39 \div 3$

2. $36 \div 3$

3. $62 \div 5$

4. $56 \div 4$

5. $65 \div 5$

6. $51 \div 4$

7. $44 \div 3$

8. $52 \div 4$

Challenge

Write two more calculations that leave a remainder.

Find the remainders

Sheet 2

Four of these questions will have something left over!
Can you find out which ones?

1. $62 \div 5$

2. $56 \div 4$

3. $65 \div 5$

4. $51 \div 4$

5. $44 \div 3$

6. $52 \div 4$

7. $70 \div 5$

8. $99 \div 8$

9. $104 \div 8$

10. $112 \div 8$

Challenge

Write three more division questions that will definitely have a remainder.

Divisions with remainders

Sheet 1

1. $38 \div 3$

10. $62 \div 4$

2. $40 \div 3$

11. $69 \div 5$

3. $50 \div 4$

12. $73 \div 5$

4. $53 \div 4$

13. $85 \div 8$

5. $63 \div 5$

14. $98 \div 8$

6. $67 \div 5$

15. $103 \div 8$

7. $47 \div 3$

16. $77 \div 4$

8. $50 \div 3$

17. $110 \div 8$

9. $57 \div 4$

18. $123 \div 8$

Challenge

Rewrite the larger number in four of these calculations so that there is no remainder.

Multiplication and division

Answers

Day 1 Dividing beyond the times tables Sheet 1

Set A

1. $52 \div 4 = 13$
2. $75 \div 5 = 15$
3. $39 \div 3 = 13$
4. $65 \div 5 = 13$
5. $60 \div 4 = 15$
6. $70 \div 5 = 14$
7. $45 \div 3 = 15$
8. $80 \div 5 = 16$

Challenge

1. $105 \div 5 = 21$
2. $112 \div 8 = 14$

Set B

1. $42 \div 3 = 14$
2. $90 \div 5 = 18$
3. $48 \div 3 = 16$
4. $56 \div 4 = 14$
5. $95 \div 5 = 19$
6. $51 \div 3 = 17$
7. $68 \div 4 = 17$
8. $54 \div 3 = 18$

Day 2 Find the remainders Sheet 1

Questions 3, 6 and 7 all have remainders.

1. $39 \div 3 = 13$
2. $36 \div 3 = 12$
3. $62 \div 5 = 12 \text{ r}2$
4. $56 \div 4 = 14$
5. $65 \div 5 = 13$
6. $51 \div 4 = 12 \text{ r}3$
7. $44 \div 3 = 14 \text{ r}2$
8. $52 \div 4 = 13$

Challenge

Accept any calculations that leave remainders,
e.g. $47 \div 3 = 15 \text{ r}2$ $71 \div 5 = 14 \text{ r}1$

Multiplication and division

Answers

Day 2 Find the remainders Sheet 2

Questions 1, 4, 5 and 8 all have remainders.

1. $62 \div 5 = 12 \text{ r}2$
2. $56 \div 4 = 14$
3. $65 \div 5 = 13$
4. $51 \div 4 = 12 \text{ r}3$
5. $44 \div 3 = 14 \text{ r}2$
6. $52 \div 4 = 13$
7. $70 \div 5 = 14$
8. $99 \div 8 = 12 \text{ r}3$
9. $104 \div 8 = 13$
10. $112 \div 8 = 14$

Challenge

Accept answers where children have written divisions with remainders,

- e.g. $81 \div 5 = 16 \text{ r}1$
 $74 \div 8 = 9 \text{ r}2$
 $97 \div 6 = 16 \text{ r}1$

Day 3 Divisions with remainders Sheet 1

- | | |
|--------------------------------|----------------------------------|
| 1. $38 \div 3 = 12 \text{ r}2$ | 10. $62 \div 4 = 15 \text{ r}2$ |
| 2. $40 \div 3 = 13 \text{ r}1$ | 11. $69 \div 5 = 13 \text{ r}4$ |
| 3. $50 \div 4 = 12 \text{ r}2$ | 12. $73 \div 5 = 14 \text{ r}3$ |
| 4. $53 \div 4 = 13 \text{ r}1$ | 13. $85 \div 8 = 10 \text{ r}5$ |
| 5. $63 \div 5 = 12 \text{ r}3$ | 14. $98 \div 8 = 12 \text{ r}2$ |
| 6. $67 \div 5 = 13 \text{ r}2$ | 15. $103 \div 8 = 12 \text{ r}7$ |
| 7. $47 \div 3 = 15 \text{ r}2$ | 16. $77 \div 4 = 19 \text{ r}1$ |
| 8. $50 \div 3 = 16 \text{ r}2$ | 17. $110 \div 8 = 13 \text{ r}6$ |
| 9. $57 \div 4 = 14 \text{ r}1$ | 18. $123 \div 8 = 15 \text{ r}3$ |

Challenge

- e.g. 6. $65 \div 5 = 13$ or $70 \div 5 = 14$
10. $60 \div 4 = 15$ or $64 \div 4 = 16$
15. $104 \div 8 = 13$ or $96 \div 8 = 12$, etc.