

L.O: To use short division to divide 3-digit numbers

Task A:

$$186 \div 6 = 031$$

no groups of 6
can be made

$3 \times 6 = 18$

$1 \times 6 = 6$

1. $492 \div 3 =$

6. $296 \div 4 =$

2. $528 \div 4 =$

7. $880 \div 5 =$

3. $630 \div 5 =$

8. $714 \div 3 =$

4. $798 \div 3 =$

9. $348 \div 4 =$

5. $784 \div 4 =$

10. $201 \div 3 =$

Task B:

$$186 \div 6 = 031$$

no groups of 6
can be made

$3 \times 6 = 18$

$1 \times 6 = 6$

1. $246 \div 6 =$

6. $861 \div 7 =$

2. $287 \div 7 =$

7. $276 \div 6 =$

3. $684 \div 6 =$

8. $322 \div 7 =$

4. $798 \div 7 =$

9. $456 \div 6 =$

5. $786 \div 6 =$

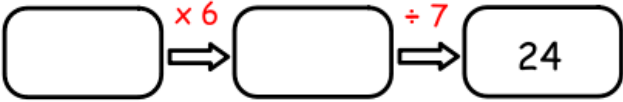
10. $245 \div 7 =$

Challenge 1

Use inverse operations to find the missing numbers. You will need to use either short division (the bus-stop method) or column multiplication (we looked at this last week) to find the answers.

1. _____ \div 5 = 18
2. _____ \times 4 = 68
3. _____ \div 3 = 81
4. _____ \times 6 = 108
5. 4 \times _____ = 92
6. _____ \div 5 = 115
7. 3 \times _____ = 141
8. 6 \times _____ = 162
9. _____ \div 4 = 36

Challenge 2

1.		What are the missing values in this function machine? Use jottings to convince me.
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Answers

Task A

- 1) 164
- 2) 132
- 3) 126
- 4) 266
- 5) 196
- 6) 74
- 7) 176
- 8) 238
- 9) 87
- 10) 67

Task B

- 1) 41
- 2) 41
- 3) 114
- 4) 114
- 5) 131
- 6) 123
- 7) 46
- 8) 46
- 9) 76
- 10) 35

Challenge 1

- 1) 90
- 2) 17
- 3) 243
- 4) 18
- 5) 23
- 6) 575
- 7) 47
- 8) 27
- 9) 144

Challenge 2

$$\boxed{28} \times 6 = \boxed{168} \text{ Divided by } 7 = \boxed{24}$$