Multiplication and Division
Maths Mastery
Challenge Cards

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1. Write these addition sentences as multiplication sentences:

$$5 + 5 + 5 + 5 + 5 + 5 = 30$$

$$10 + 10 + 10 + 10 + 10 = 50$$

$$10 + 10 + 10 + 5 + 5 = 40$$

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2. Would you rather have 3 boxes with 10 biscuits in or 5 boxes with 5 biscuits in? Explain your reasoning.

Would you rather have 4 trays with 5 apples in or 2 trays with 10 apples in? Explain your reasoning.

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3. True or false? Explain your reasoning!

$$2 \times 10 = 5 \times 4$$

$$2 \times 6 = 3 \times 5$$
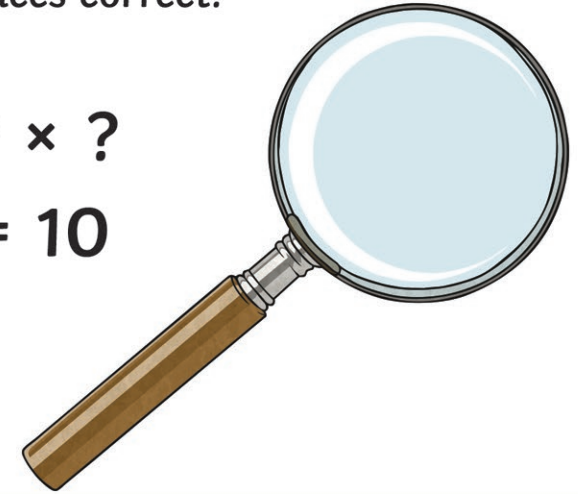
$$5 \times 5 = 10 \times 3$$

4. Two friends would like to buy some sweets from the shop but want to share them equally with none left over. Which bag of sweets should they buy? How do you know?

15 16 11

5. Insert the missing numbers to make these number sentences correct.

$$20 = ? \times ?$$

$$? \div ? = 10$$

6. Can you write some number sentences to link the following numbers together?

2   4   8

7. Which of these number sentences is the odd one out? Explain your reasoning.

| $40 \div 2$ | 4×5 | 20×0 | 2×10 |

8. Can you write a number sentence that makes the same total as the opposite side?

$2 \times 6 =$ _____

_____ $= 15 \div 3$

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Maths Mastery Multiplication and Division Answers

1. 6 × 5 = 30, 5 × 10 = 50, (3 × 10) + (2 × 5 = 40)

2. 3 boxes × 10 = 30 or 5 boxes × 5 = 25 so it depends if you want lots of biscuits!

   4 trays × 5 = 20 or 2 trays × 10 = 20 so they both have exactly the same number of apples!

3. 20 = 20 so TRUE, 12 = 15 so FALSE, 25 = 30 so FALSE.

4. They should buy bag number 2 because it is an even number, so can be shared equally between two (16 ÷ 2 = 8 each). The other bags would have sweets left over.

5. Answers could include:
20 = 10 × 2	100÷10=10	40÷4=10
20 = 4 × 5	90÷9=10	30÷3=10
20 = 2 × 10	80÷8=10	20÷2=10
20 = 1 × 20	70÷7=10	10÷1=10
20 = 5 × 4	60÷6=10	
20 = 20 × 1	50÷5=10	

6. 2 × 4 = 8, 4 × 2 = 8, 8 ÷ 4 = 2, 8 ÷ 2 = 4

7. 20 x 0 is the odd one out as the others total 20.

8. Answers must total 12 e.g. 3 x 4 or 24 ÷ 2

   Answers must total 5 e.g. 10 ÷ 2 or 50 ÷ 10

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