

Multiplication and Division

Maths Home Learning Activity Booklet

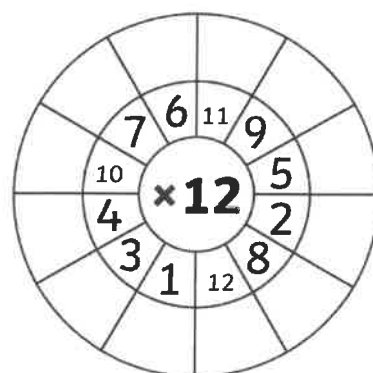
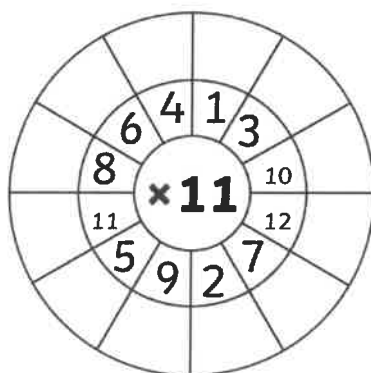
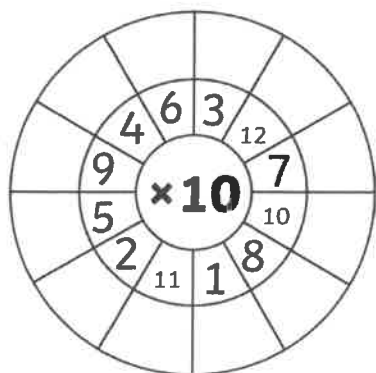
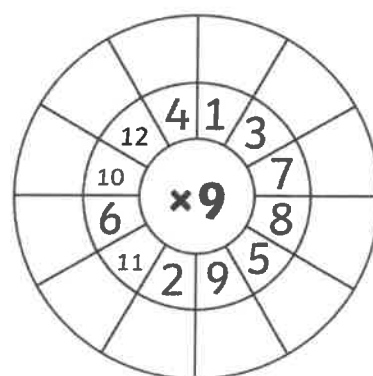
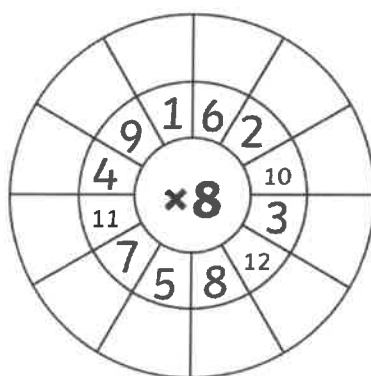
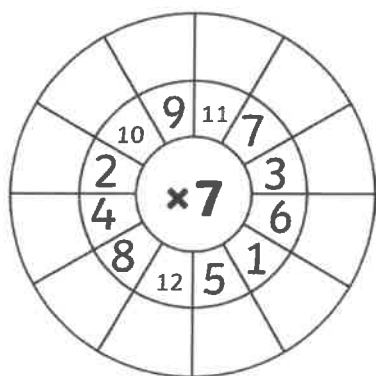
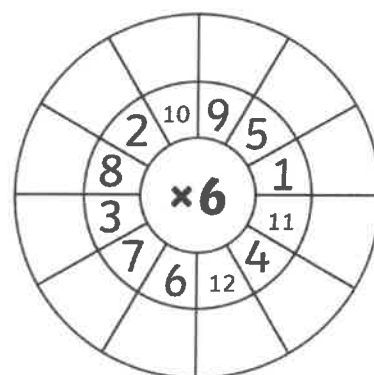
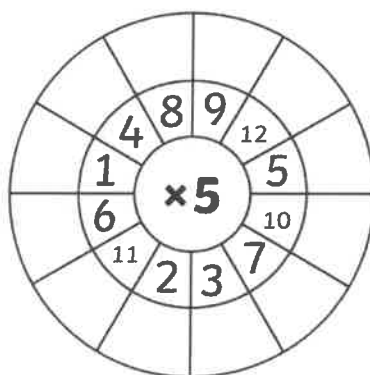
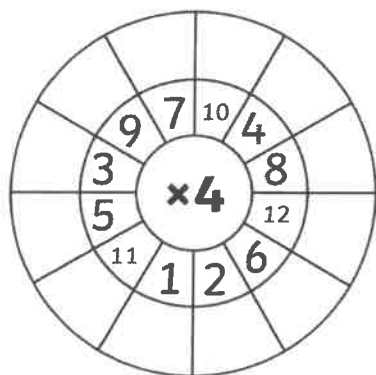
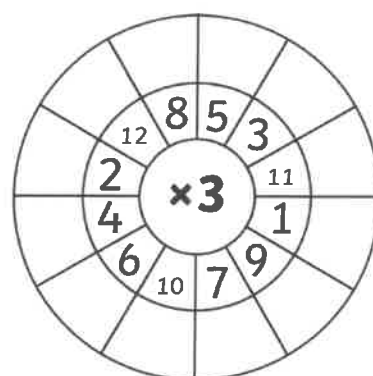
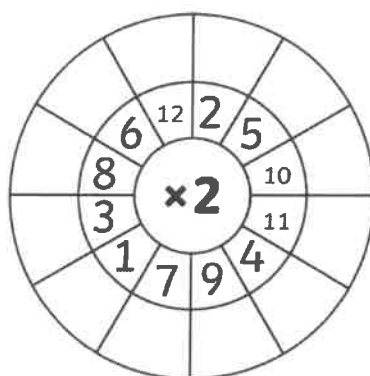
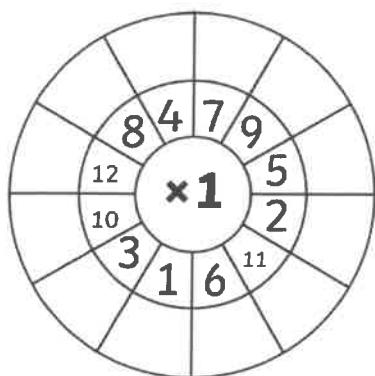


Multiplication Square

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

Multiplication Wheels

Multiply the numbers by the middle number.



Multiplying Three Numbers

| | | | |
|-----------------------------|--|------------------------------|--|
| 1. $2 \times 1 \times 2 =$ | | 2. $3 \times 2 \times 3 =$ | |
| 3. $3 \times 0 \times 3 =$ | | 4. $4 \times 3 \times 2 =$ | |
| 5. $4 \times 3 \times 4 =$ | | 6. $5 \times 4 \times 5 =$ | |
| 7. $2 \times 8 \times 2 =$ | | 8. $2 \times 7 \times 4 =$ | |
| 9. $5 \times 2 \times 4 =$ | | 10. $1 \times 3 \times 9 =$ | |
| 11. $2 \times 4 \times 8 =$ | | 12. $2 \times 3 \times 9 =$ | |
| 13. $9 \times 2 \times 5 =$ | | 14. $2 \times 2 \times 9 =$ | |
| 15. $4 \times 4 \times 4 =$ | | 16. $3 \times 3 \times 3 =$ | |
| 17. $6 \times 2 \times 6 =$ | | 18. $7 \times 1 \times 2 =$ | |
| 19. $4 \times 2 \times 8 =$ | | 20. $10 \times 2 \times 3 =$ | |

Multiplying by 1 and 0 and Dividing by 1

A. Calculate:

1. $12 \times 1 =$

2. $1 \times 82 =$

3. $0 \times 1 =$

4. $25 \times 1 =$

5. $342 \times 1 =$

6. $212 \div 1 =$

7. $4567 \times 0 =$

8. $1 \times 1 =$

9. $0 \times 11 =$

10. $1 \times 31 =$

11. $0 \times 0 =$

12. $0 \div 1 =$

13. $50 \times 1 =$

14. $1 \times 50 =$

15. $1 \times 3983 =$

16. $26 \div 1 =$

17. $1 \div 1 =$

18. $156 \times 0 =$

B. Write the calculation represented by these word problems then solve the word problem.

1. Dave buys 72 eggs and puts them all in one basket.
How many eggs are in the basket?

Calculation =

Answer =

2. Bobbie finds a shop selling games consoles for £79. She buys one game console. How much does she spend?

Calculation = Answer =

3. Samit's dad earns £65 per shift, but last week he could not work as he was ill. How much did he earn altogether last week?

Calculation = Answer =

C. Work your way across each grid applying each operation to the answer from the previous calculation.

| Beginning Number | $\div 1$ | $\times 1$ | $\times 0$ | $\div 1$ | Ending Number |
|------------------|----------|------------|------------|----------|---------------|
| 32 | | | | | |

| Beginning Number | $\div 1$ | $\times 1$ | $\times 1$ | $\times 0$ | Ending Number |
|------------------|----------|------------|------------|------------|---------------|
| 1 | | | | | |

| Beginning Number | $\times 1$ | $\div 1$ | $\times 1$ | $\div 1$ | Ending Number |
|------------------|------------|----------|------------|----------|---------------|
| 10 000 | | | | | |

Multiplying Mentally Using Known Facts

Start this activity by recording the answers
to these multiplication questions.

$6 \times 2 =$

$6 \times 5 =$

$4 \times 6 =$

$4 \times 11 =$

$3 \times 8 =$

$3 \times 8 =$

$8 \times 4 =$

$7 \times 9 =$

$12 \times 10 =$

$3 \times 4 =$

$8 \times 7 =$



| | | | | |
|------------------|-------------------|--------------------|------------------|------------------|
| $6 \times 20 =$ | $40 \times 11 =$ | $6 \times 50 =$ | $40 \times 6 =$ | $3 \times 80 =$ |
| $80 \times 4 =$ | $7 \times 90 =$ | $120 \times 10 =$ | $3 \times 40 =$ | $80 \times 7 =$ |
| $600 \times 2 =$ | $4 \times 1100 =$ | $600 \times 5 =$ | $4 \times 600 =$ | $300 \times 8 =$ |
| $8 \times 400 =$ | $700 \times 9 =$ | $12 \times 1000 =$ | $300 \times 4 =$ | $8 \times 700 =$ |
| $60 \times 20 =$ | $40 \times 110 =$ | $60 \times 50 =$ | $40 \times 60 =$ | $30 \times 80 =$ |
| $80 \times 40 =$ | $70 \times 90 =$ | $120 \times 100 =$ | $30 \times 40 =$ | $80 \times 70 =$ |

Dividing Mentally Using Known Facts

Start this activity by recording the answers to these division questions.

$24 \div 6 =$

$36 \div 9 =$

$21 \div 3 =$

$42 \div 6 =$

$18 \div 6 =$

$48 \div 8 =$

$54 \div 6 =$

$49 \div 7 =$

$36 \div 6 =$

$28 \div 4 =$

$210 \div 3 =$



The Commutative Law of Multiplication

Write the order in which you think it is best to multiply these numbers and then work out the calculation.

Tip: you may not need to change every calculation.

Example: $4 \times 17 = 17 \times 4 = 68$

$17 \times 4 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$3 \times 24 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$5 \times 17 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$29 \times 6 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$4 \times 18 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$7 \times 11 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$19 \times 3 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$7 \times 30 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$8 \times 21 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$3 \times 18 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$28 \times 9 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$2 \times 15 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$12 \times 4 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$29 \times 5 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$7 \times 27 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$4 \times 29 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$28 \times 8 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$7 \times 17 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$15 \times 8 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$5 \times 27 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$3 \times 24 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$17 \times 3 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$4 \times 14 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$6 \times 24 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$21 \times 5 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$8 \times 26 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$9 \times 24 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$7 \times 29 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$27 \times 6 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

$5 \times 17 = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Using Commutativity in Mental Calculations

Look at the following questions. Decide if you can use the principle of commutativity (doing the multiplication in any order) to make the calculations easier to answer. If you can't make them any easier, just change the order anyway!

| | |
|--|--|
| e.g. $2 \times 9 \times 5 =$ | Five multiplied by two equals ten – doing that first makes any subsequent calculation easy! $5 \times 2 \times 9 = 10 \times 9 = 90$ |
| e.g $9 \times 2 \times 8 =$ | 9×8 is from a multiplication table you may already know. You can finish the calculation by just doubling the answer. $9 \times 8 \times 2 = 72 \times 2 = 144$ |

| | |
|------------------------------------|--|
| 1. $12 \times 2 \times 5 =$ | |
| 2. $2 \times 13 \times 2 =$ | |
| 3. $5 \times 10 \times 4 =$ | |

| | |
|--|--|
| 4. $5 \times 5 \times 2 =$ | |
| 5. $5 \times 4 \times 5 =$ | |
| 6. $12 \times 5 \times 10 =$ | |
| 7. $14 \times 5 \times 2 =$ | |
| 8. $7 \times 13 \times 0 =$ | |
| 9. $2 \times 2 \times 11 \times 2 =$ | |
| 10. $10 \times 136 \times 10 =$ | |
| 11. $1 \times 2 \times 3 \times 4 \times 5 =$ | |

Multiplying Two-Digit Numbers by One-Digit Numbers Answers

1.
$$\begin{array}{r} 24 \\ \times 4 \\ \hline \\ \hline \end{array}$$

2.
$$\begin{array}{r} 22 \\ \times 5 \\ \hline \\ \hline \end{array}$$

3.
$$\begin{array}{r} 18 \\ \times 5 \\ \hline \\ \hline \end{array}$$

4.
$$\begin{array}{r} 26 \\ \times 3 \\ \hline \\ \hline \end{array}$$

5.
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \\ \hline \end{array}$$

6.
$$\begin{array}{r} 48 \\ \times 2 \\ \hline \\ \hline \end{array}$$

7.
$$\begin{array}{r} 41 \\ \times 9 \\ \hline \\ \hline \end{array}$$

8.
$$\begin{array}{r} 31 \\ \times 7 \\ \hline \\ \hline \end{array}$$

9.
$$\begin{array}{r} 44 \\ \times 7 \\ \hline \\ \hline \end{array}$$

10.
$$\begin{array}{r} 32 \\ \times 7 \\ \hline \\ \hline \end{array}$$

11.
$$\begin{array}{r} 62 \\ \times 3 \\ \hline \\ \hline \end{array}$$

12.
$$\begin{array}{r} 66 \\ \times 4 \\ \hline \\ \hline \end{array}$$

13.
$$\begin{array}{r} 82 \\ \times 4 \\ \hline \\ \hline \end{array}$$

14.
$$\begin{array}{r} 87 \\ \times 8 \\ \hline \\ \hline \end{array}$$

15.
$$\begin{array}{r} 94 \\ \times 8 \\ \hline \\ \hline \end{array}$$

16.
$$\begin{array}{r} 53 \\ \times 8 \\ \hline \\ \hline \end{array}$$

17.
$$\begin{array}{r} 85 \\ \times 4 \\ \hline \\ \hline \end{array}$$

18.
$$\begin{array}{r} 75 \\ \times 3 \\ \hline \\ \hline \end{array}$$

19.
$$\begin{array}{r} 68 \\ \times 6 \\ \hline \\ \hline \end{array}$$

20.
$$\begin{array}{r} 78 \\ \times 7 \\ \hline \\ \hline \end{array}$$

Three Digit × One Digit Multiplication

Answer these calculations using either the compact method or the long multiplication method:

| | |
|--------------------------|--------------------------|
| 1. 167×3 | 2. 137×3 |
| 3. 261×4 | 4. 319×3 |
| 5. 629×5 | 6. 417×6 |
| 7. 130×9 | 8. 617×9 |
| 9. 243×4 | |

Missing Numbers 2-Digit × 1-Digit Multiplication

Calculate the missing digits in these calculations.

1.

$$\begin{array}{r} \square 8 \\ \times \square \\ \hline 272 \end{array}$$

2.

$$\begin{array}{r} 8 \square \\ \times 4 \\ \hline 324 \end{array}$$

3.

$$\begin{array}{r} \square 4 \\ \times \square \\ \hline 84 \end{array}$$

4.

$$\begin{array}{r} \square 1 \\ \times \square \\ \hline 205 \end{array}$$

5.

$$\begin{array}{r} 3 \square \\ \times 3 \\ \hline 90 \end{array}$$

6.

$$\begin{array}{r} \square 7 \\ \times \square \\ \hline 485 \end{array}$$

7.

$$\begin{array}{r} 2 \square \\ \times 2 \\ \hline 44 \end{array}$$

8.

$$\begin{array}{r} 2 \square \\ \times 4 \\ \hline 108 \end{array}$$

9.

$$\begin{array}{r} \square 0 \\ \times \square \\ \hline 200 \end{array}$$

10.

$$\begin{array}{r} \square 1 \\ \times \square \\ \hline 33 \end{array}$$

11.

$$\begin{array}{r} 6 \square \\ \times 4 \\ \hline 244 \end{array}$$

12.

$$\begin{array}{r} 3 \square \\ \times 2 \\ \hline 72 \end{array}$$

13.

$$\begin{array}{r} 2 \square \\ \times \quad 5 \\ \hline 1 \ 1 \ 0 \end{array}$$

14.

$$\begin{array}{r} 9 \square \\ \times \quad 3 \\ \hline 2 \ 7 \ 3 \end{array}$$

15.

$$\begin{array}{r} 8 \square \\ \times \quad 3 \\ \hline 2 \ 6 \ 7 \end{array}$$

16.

$$\begin{array}{r} \square 0 \\ \times \quad \square \\ \hline 4 \ 0 \end{array}$$

17.

$$\begin{array}{r} \square 4 \\ \times \quad \square \\ \hline 3 \ 3 \ 6 \end{array}$$

18.

$$\begin{array}{r} 5 \square \\ \times \quad 2 \\ \hline 1 \ 1 \ 0 \end{array}$$

19.

$$\begin{array}{r} 9 \square \\ \times \quad 5 \\ \hline 4 \ 6 \ 0 \end{array}$$

20.

$$\begin{array}{r} \square 3 \\ \times \quad \square \\ \hline 3 \ 7 \ 2 \end{array}$$

21.

$$\begin{array}{r} 1 \square \\ \times \quad 3 \\ \hline 3 \ 6 \end{array}$$

22.

$$\begin{array}{r} \square 8 \\ \times \quad \square \\ \hline 2 \ 9 \ 4 \end{array}$$

23.

$$\begin{array}{r} 2 \square \\ \times \quad 4 \\ \hline 9 \ 6 \end{array}$$

24.

$$\begin{array}{r} 1 \square \\ \times \quad 3 \\ \hline 3 \ 3 \end{array}$$

25.

$$\begin{array}{r}
 \square 9 \\
 \times \quad \square \\
 \hline
 1 \ 1 \ 8
 \end{array}$$

26.

$$\begin{array}{r}
 \square 2 \\
 \times \quad \square \\
 \hline
 7 \ 2
 \end{array}$$

27.

$$\begin{array}{r}
 \square 1 \\
 \times \quad \square \\
 \hline
 1 \ 5 \ 5
 \end{array}$$

28.

$$\begin{array}{r}
 4 \ \square \\
 \times \quad 3 \\
 \hline
 1 \ 4 \ 1
 \end{array}$$

29.

$$\begin{array}{r}
 5 \ \square \\
 \times \quad 3 \\
 \hline
 1 \ 7 \ 4
 \end{array}$$

30.

$$\begin{array}{r}
 \square 3 \\
 \times \quad \square \\
 \hline
 4 \ 1 \ 5
 \end{array}$$

Multiplying 3-Digit by 1-Digit Numbers

Calculate the missing number in these calculations.

$$\begin{array}{r} 1. \quad 2_4 \\ \times \quad _ \\ \hline 856 \end{array}$$

$$\begin{array}{r} 7. \quad _1_ \\ \times \quad 2 \\ \hline 432 \end{array}$$

$$\begin{array}{r} 13. \quad _7_ \\ \times \quad 5 \\ \hline 3380 \end{array}$$

$$\begin{array}{r} 2. \quad _0_ \\ \times \quad 4 \\ \hline 1204 \end{array}$$

$$\begin{array}{r} 8. \quad _0_ \\ \times \quad 4 \\ \hline 836 \end{array}$$

$$\begin{array}{r} 14. \quad _7_ \\ \times \quad 3 \\ \hline 834 \end{array}$$

$$\begin{array}{r} 3. \quad 8_5 \\ \times \quad _ \\ \hline 4950 \end{array}$$

$$\begin{array}{r} 9. \quad 9_6 \\ \times \quad _ \\ \hline 3864 \end{array}$$

$$\begin{array}{r} 15. \quad _5_ \\ \times \quad 3 \\ \hline 477 \end{array}$$

$$\begin{array}{r} 4. \quad 6_6 \\ \times \quad _ \\ \hline 3280 \end{array}$$

$$\begin{array}{r} 10. \quad 3_5 \\ \times \quad 3 \\ \hline 1035 \end{array}$$

$$\begin{array}{r} 16. \quad 8_6 \\ \times \quad _ \\ \hline 3384 \end{array}$$

$$\begin{array}{r} 5. \quad _4_ \\ \times \quad 3 \\ \hline 1620 \end{array}$$

$$\begin{array}{r} 11. \quad _4_ \\ \times \quad 4 \\ \hline 584 \end{array}$$

$$\begin{array}{r} 17. \quad 5_6 \\ \times \quad _ \\ \hline 2144 \end{array}$$

$$\begin{array}{r} 6. \quad 9_8 \\ \times \quad _ \\ \hline 4890 \end{array}$$

$$\begin{array}{r} 12. \quad _3_ \\ \times \quad 2 \\ \hline 1876 \end{array}$$

$$\begin{array}{r} 18. \quad _6_ \\ \times \quad 2 \\ \hline 730 \end{array}$$

$$\begin{array}{r} 19. \quad _7_ \\ \times \quad 5 \\ \hline 1355 \end{array}$$

$$\begin{array}{r} 20. \quad 8_4 \\ \times \quad _ \\ \hline 3336 \end{array}$$

$$\begin{array}{r} 21. \quad _5_ \\ \times \quad 3 \\ \hline 1056 \end{array}$$

$$\begin{array}{r} 22. \quad 7_2 \\ \times \quad _ \\ \hline 2226 \end{array}$$

$$\begin{array}{r} 23. \quad _8_ \\ \times \quad 4 \\ \hline 740 \end{array}$$

$$\begin{array}{r} 24. \quad _0_ \\ \times \quad 3 \\ \hline 1200 \end{array}$$

$$\begin{array}{r} 25. \quad 1_9 \\ \times \quad _ \\ \hline 338 \end{array}$$

$$\begin{array}{r} 26. \quad _7_ \\ \times \quad 6 \\ \hline 3456 \end{array}$$

$$\begin{array}{r} 27. \quad 1_6 \\ \times \quad _ \\ \hline 680 \end{array}$$

$$\begin{array}{r} 28. \quad 4_2 \\ \times \quad _ \\ \hline 1446 \end{array}$$

$$\begin{array}{r} 29. \quad _0_ \\ \times \quad 3 \\ \hline 1518 \end{array}$$

$$\begin{array}{r} 30. \quad 4_1 \\ \times \quad _ \\ \hline 2055 \end{array}$$

$$\begin{array}{r} 31. \quad _4_ \\ \times \quad 6 \\ \hline 4494 \end{array}$$

$$\begin{array}{r} 32. \quad _4_ \\ \times \quad 2 \\ \hline 292 \end{array}$$

$$\begin{array}{r} 33. \quad 8_2 \\ \times \quad _ \\ \hline 1644 \end{array}$$

$$\begin{array}{r} 34. \quad 6_3 \\ \times \quad _ \\ \hline 1346 \end{array}$$

$$\begin{array}{r} 35. \quad _0_ \\ \times \quad 5 \\ \hline 4535 \end{array}$$

$$\begin{array}{r} 36. \quad _2_ \\ \times \quad 2 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 37. \quad _8_ \\ \times \quad 2 \\ \hline 1766 \end{array}$$

$$\begin{array}{r} 38. \quad _6_ \\ \times \quad 4 \\ \hline 3444 \end{array}$$

$$\begin{array}{r} 39. \quad _5_ \\ \times \quad 6 \\ \hline 5124 \end{array}$$

$$\begin{array}{r} 40. \quad 6_5 \\ \times \quad _ \\ \hline 3225 \end{array}$$

Problems Involving Scaling Worksheet

Scale the information you have been given up or down to find the answer to each question.

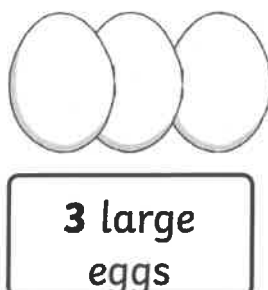
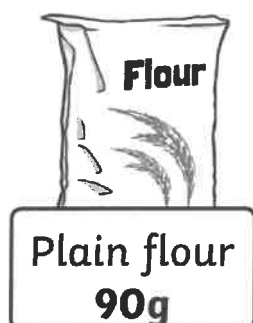
1. Eggs cost 90p for 6. How much would 36 eggs cost?

| | | | | | | | | | | | | | |
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2. The length of a toy car is 3cm. Tony wants to make a drawing which is 17 times bigger. How long will the car be in his drawing?

| | | | | | | | | | | | | | |
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Robyn is using a recipe which requires these ingredients to make chocolate brownies – she wants to sell them at a fayre.

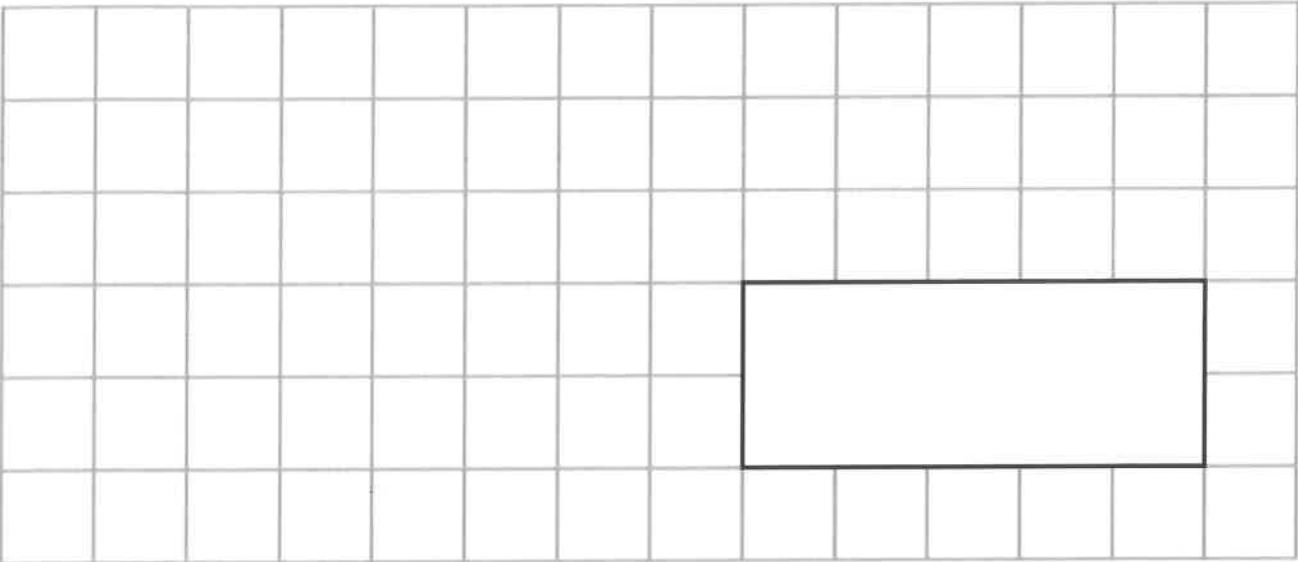


All of the ingredients above will make 16 squares. Use this information to help answer the questions on the next page.

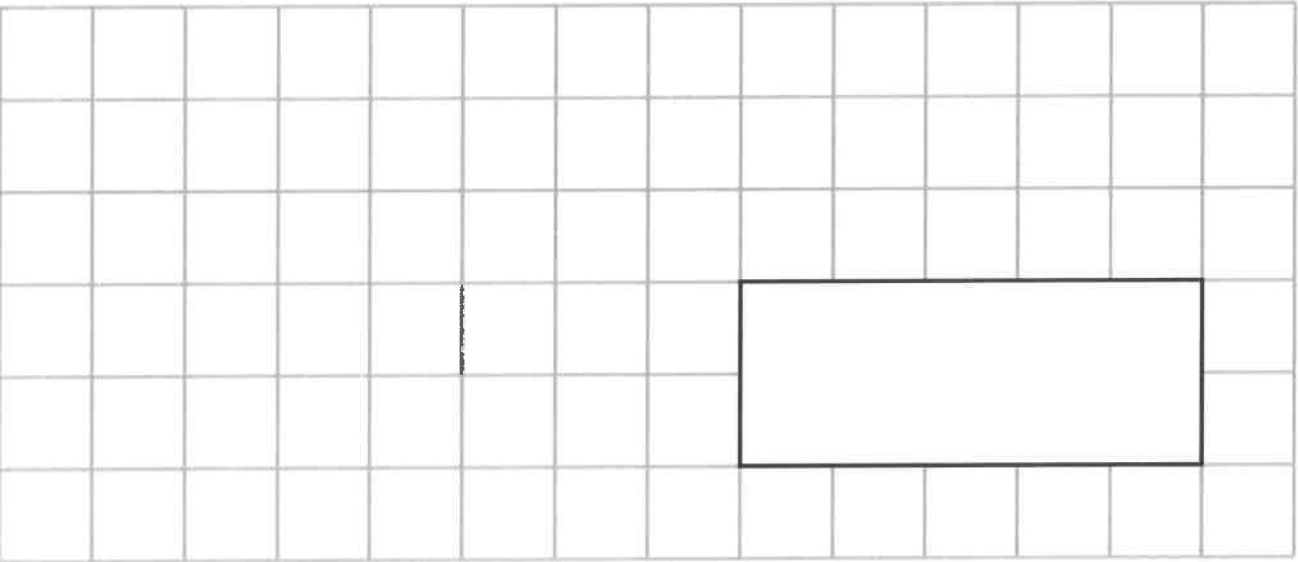
3. How much cocoa powder will she need to make 64 squares?

A grid of 10 columns and 6 rows. A rectangle is drawn on the right side, spanning 4 columns and 2 rows.

4. How many squares can she make with nine eggs?



5. How many squares can the recipe make if she uses 1kg of butter?



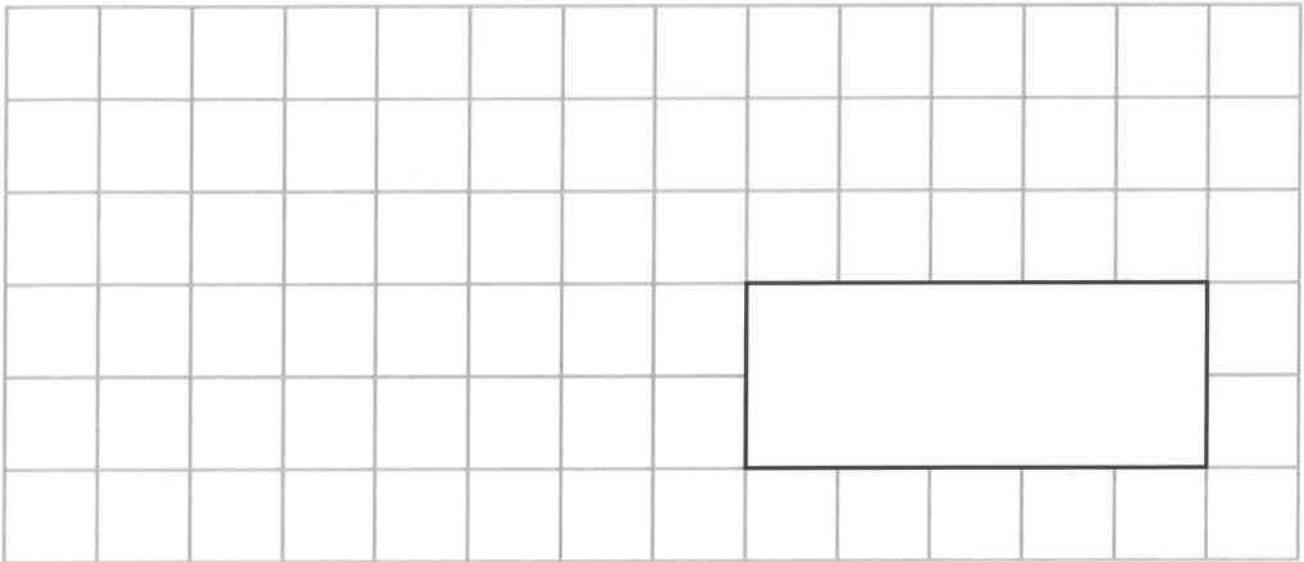
6. Sunnah is planning her party. She has worked out that each party bag will cost 59p to make. How much will it cost her to make party bags for each of her nine friends?

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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7. James gets three sessions of trampolining for £17. How much would 12 sessions cost?

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8. Annie's drink is made by mixing 250ml of orange juice with 200ml of apple juice and 50ml of strawberry juice. How much apple juice is needed if she is making her drink contain a total of 250ml?



Correspondence Type

Word Problems

1. Greg gets paid 7p for every newspaper he delivers. How many must he deliver to earn at least 5 pounds?

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2. A pizza restaurant offers five different pizzas (Hawaiian, Pepperoni, Vegetarian, Meat Feast and Margherita) and five types of base (Italian, Deep Pan, Stuffed Crust, Square and Thin and Crispy). How many different combinations are available?

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3. Travis has designed a computer program which multiplies any number put in by a number chosen by the computer. He inputs four numbers and the answers which come out are 49, 126, 98 and 154. Which number might his program be multiplying by?

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4. Gerrard is making a sequence with shapes – he uses 4 squares, 6 triangles and 3 circles. If he uses the same pattern to make a longer sequence, how many squares would he use if he used 65 shapes in total?

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5. Anja stands by the side of the road counting the wheels on the vehicles that go past her. If she counts 250 wheels, how many cars and how many bikes might she have seen?

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6. Robbie is 90 cm tall. If he grows 10 cm next year and then 1 cm less each year after that, how tall will he be in ten years?

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7. A mother and a father are the same age and they have triplets. The total of all the ages in the family added together is 79. Can you find two possibilities for the family's ages?

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8. A shop sells these drinks: Orange Juice, Lemonade, Coke and Water and these crisps: Pickled Onion, Plain and Salt and Vinegar. If you went into the shops and bought one drink and one packet of crisps, how many different possible combinations would there be?

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