

# mathsquad

BOOK 1

Key Skills Training - L2

**name:** \_\_\_\_\_



Welcome to the Key Skills Training Program. These sheets are designed to give you multiple opportunities to learn and revise key mathematical skills. Completing these sheets will help you become equipped with the skills you need to be a successful user of mathematics in school and also every day life. The following points will help you get the most out of the program. Enjoy!

- The first two pages of each sheet are technology free and you are **not allowed** to use a calculator.
- The third page of each sheet is technology active and you are **allowed** to use a calculator.
- When you see the  symbol include some working to support your answer. This could involve a calculation, annotating a diagram or an explanation of your thought process.
- All fractional answers must be given in simplified form.
- You may be able to complete very few questions or almost all of them, it doesn't matter. As long as you give your best effort and try to improve each time you are maximising your success!
- If you feel that some or all of these questions aren't suitable for you, have a chat with your teacher.

Every skill within this booklet connects to an online skill development page containing instructional videos and practice questions. Head to the website below to learn more!

Webpage: <https://mathsqquad.org/KS2>

Time to get started on Sheet 1. Turn the page and complete the questions on pages 2, 3 and 4.

**Step 1:** ★ Start a timer ★ Complete the 30 questions in the Quick Quiz ★ Stop the timer ★ Record your time

**Times Tables**

1.  $\square \times 1 = 8$

2.  $88 \div \square = 8$

3.  $3 \times \square = 21$

4.  $\square \div 8 = 4$

5.  $9 \times \square = 72$

6.  $\square \div 2 = 3$

7.  $12 \times \square = 36$

8.  $24 \div \square = 12$

9.  $\square \times 4 = 12$

10.  $\square \div 11 = 2$

**Key Skills**

11.  $\square + 3 = 10$

12.  $1 + \square = 1$

13.  $4 + 7 =$

14.  $7 + 17 =$

15.  $93 - 8 =$

16.  $44 - 36 =$

17.  $4 \times 7 =$

18.  $10 \times 12 =$

19.  $24 \div 8 =$

20.  $26 \div 11 =$  rem.

**Key Skills (continued)**

21.  $1564 + 2089 =$

22.  $433 - 241 =$

23.  $9 \times 457 =$

24.  $2772 \div 6 =$

25.  $2 \times \square = 48$

26.  $3 \times \square = 69$

27.  $5 \times \square = 85$

28. Factors of 44:

29. When simplified,  $\frac{14}{28} =$

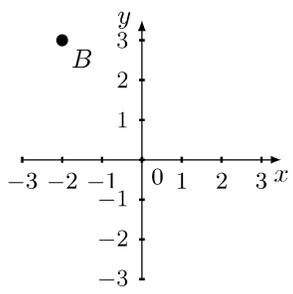
30.  $\frac{2}{8} + \frac{2}{4} =$

Time:

*Quick Quiz working out space*

**Step 2: ★ Complete these 23 questions**

★ Do not use a calculator ★ Include working out when you see the  symbol ★ Simplify all fractional answers

1. Calculate a. $-3 - 2 =$  b. $-1 + 2 =$	2. Calculate a. $-2 + -5 =$  b. $6 - -6 =$	3. Calculate a. $7^2 =$  b. $\sqrt{36} =$	4.  Calculate $19 - 3 + 6$						
5. Circle any words that describe the number 66.  even   square   mult. of 5	6. Write 78 as a product of powers of prime numbers.	7. a. Find the HCF of 10 and 20.  b. Find the LCM of 4 and 16.	8. Fill in the boxes to make each equation true. a. $7 = \frac{\square}{3}$ b. $1\frac{2}{3} = \frac{\square}{3}$ c. $4\frac{\square}{3} = \frac{13}{3}$						
9.  $\frac{6}{7} - \frac{29}{35}$	10. $\frac{5}{8} \times \frac{2}{3}$	11.  $\frac{6}{12} \div \frac{7}{11}$	12.  $3\frac{1}{2} \times 2$						
13. a. What is the place value of the 9 in 12.963?  b. Round 0.078 to 2 decimal places (2 dp.)	14. Insert $<$ , $=$ or $>$ between the decimals and, if possible, circle the biggest.  <p align="center">0.038      0.04</p>	15. a. $24700 \div 10 =$  b. $0.47 \times 10 =$  c. $655 \div 100 =$	16. Complete the table below  <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">P</th> <th style="padding: 5px;">F</th> <th style="padding: 5px;">D</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">16%</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table>	P	F	D	16%		
P	F	D							
16%									
17.  $5.8 + 1.57$	18.  $5.9 \times 0.2$	19.  $2.85 \div 0.6$	20.  Calculate 30% of 68						
21. a.  Substitute $x = 14$ into $x - 6$ and evaluate.  b.  Substitute $x = 10$ into $7x$ and evaluate.	22.  Solve the equations below and include working that shows your use of an opposite operation. a. <p align="center"><math>x + 9 = 19</math></p> b. <p align="center"><math>9x = 36</math></p>	23. Plot the point $A = (-2, 2)$ below and state the coordinates of point B.  <div style="text-align: center;">  </div> <p align="right"><math>B = ( \quad , \quad )</math></p>							





**Step 1: ★ Start a timer ★ Complete the 30 questions in the Quick Quiz ★ Stop the timer ★ Record your time**

**Times Tables**

1.  $\square \times 6 = 72$

2.  $28 \div \square = 7$

3.  $9 \times \square = 72$

4.  $\square \div 6 = 9$

5.  $2 \times \square = 22$

6.  $\square \div 6 = 1$

7.  $2 \times \square = 6$

8.  $54 \div \square = 6$

9.  $\square \times 11 = 44$

10.  $\square \div 8 = 4$

**Key Skills**

11.  $1 + \square = 10$

12.  $\square + 5 = 6$

13.  $8 + 5 =$

14.  $9 + 13 =$

15.  $61 - 7 =$

16.  $81 - 74 =$

17.  $11 \times 11 =$

18.  $10 \times 12 =$

19.  $30 \div 6 =$

20.  $47 \div 11 = \text{ rem.}$

**Key Skills (continued)**

21.  $2727 + 891 =$

22.  $963 - 674 =$

23.  $6 \times 787 =$

24.  $6975 \div 9 =$

25.  $2 \times \square = 80$

26.  $3 \times \square = 93$

27.  $5 \times \square = 95$

28. Factors of 34:

29. When simplified,  $\frac{16}{28} =$ 

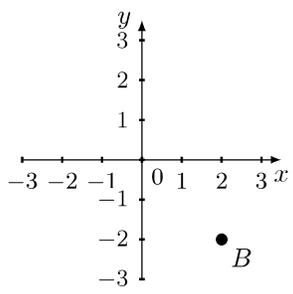
30.  $\frac{5}{6} + \frac{2}{30} =$

Time:

*Quick Quiz working out space*

**Step 2: ★ Complete these 23 questions**

★ Do not use a calculator ★ Include working out when you see the  symbol ★ Simplify all fractional answers

1. Calculate a. $3 - 4 =$  b. $-6 + 3 =$	2. Calculate a. $-2 + -3 =$  b. $5 - -4 =$	3. Calculate a. $2^4 =$  b. $\sqrt{9} =$	4.  Calculate $(15 - 5) \div 5$						
5. Circle any words that describe the number 19.  even   prime   mult. of 5	6. Write 96 as a product of powers of prime numbers.	7. a. Find the HCF of 9 and 45.  b. Find the LCM of 6 and 30.	8. Fill in the boxes to make each equation true. a. $4 = \frac{\square}{5}$ b. $1\frac{4}{5} = \frac{\square}{5}$ c. $2\frac{\square}{5} = \frac{13}{5}$						
9.  $\frac{1}{3} - \frac{1}{8}$	10. $\frac{2}{12} \times \frac{8}{11}$	11.  $\frac{5}{9} \div \frac{3}{10}$	12.  $2\frac{1}{3} \div 7$						
13. a. What is the place value of the 8 in 2.581?  b. Round 1.593 to 2 decimal places (2 dp.)	14. Insert $<$ , $=$ or $>$ between the decimals and, if possible, circle the biggest.  <p align="center">3.71      3.76</p>	15. a. $3800 \times 10 =$  b. $6.7 \div 10 =$  c. $80.3 \times 100 =$	16. Complete the table below  <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">P</th> <th style="padding: 5px;">F</th> <th style="padding: 5px;">D</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;"><math>\frac{7}{50}</math></td> <td style="padding: 5px;"></td> </tr> </tbody> </table>	P	F	D		$\frac{7}{50}$	
P	F	D							
	$\frac{7}{50}$								
17.  $1.98 + 2.8$	18.  $0.57 \times 0.02$	19.  $0.087 \div 0.03$	20.  Calculate 20% of 47						
21. a.  Substitute $x = 17$ into $x - 8$ and evaluate.  b.  Substitute $x = 72$ into $\frac{x}{9}$ and evaluate.	22.  Solve the equations below and include working that shows your use of an opposite operation. a. <p align="center"><math>x + 9 = 14</math></p> b. <p align="center"><math>5x = 20</math></p>	23. Plot the point $A = (3, -2)$ below and state the coordinates of point B.    $B = ( \quad , \quad )$							



