



Year Group: Year 7
Term: Spring 2
Subject: Mathematics
Topic:

Climbing Higher

Name: _____ **Form:** _____

Subject Teacher: _____ **Group (If known):** _____

Date given: 27th February 2017 **Date to hand in:** 6th March 2017

Level achieved in this Home Learning Booklet:	Effort in this Home Learning Booklet:	Achievement Points this Home Learning Booklet:
	1	1 for Effort = 2 Achievement Points
	2	2 for Effort = 1 Achievement Points
	3 4	3 or 4 for Effort = 0 Achievement Points
	1 = Excellent 4 = Needs major improvement	

Teacher feedback:

WWW:

EBI:

Student response:

Accuracy of punctuation, spelling and grammar

Mr Lister's class - Complete all tasks.

Mr Beardsley's class - Complete all tasks.

Miss Monk's class - Complete all tasks

Miss Whitehead's class - Complete tasks
1, 2, 3, 4 and 6.

Miss Greenhalgh's class - Complete tasks
1, 2, 3, 4 and 6.

Name Date

Q4 1

1. $16 \div 8$	2. $476 + 144$	3. 3×2	4. 10×2	5. $352 + 168$	6. 4×12	7. $32 \div 8$	8. $795 - 492$
9. 6×3	10. $85.8 + 66.8$	11. $33 \div 11$	12. 3×10	13. $751 - 614$	14. $84 \div 7$	15. 10×4	16. $82 + 178$
17. $61 + 13.4$	18. $45.1 - 100$	19. 7×11	20. $465 + 478$	21. $18.7 + 56.4$	22. $24 \div 3$	23. $27 \div 3$	24. $110 \div 11$
25. 11×6	26. 3×9	27. $919 - 561$	28. 11×3	29. $12 \div 4$	30. $30 \div 10$	31. 3×12	32. $21 \div 7$
33. $870 - 187$	34. $433 + 406$	35. 2×12	36. $33 + 82.1$	37. $447 + 295$	38. $93.2 - 8.3$	39. 5×4	40. 2×11

SCORE

NUMBER-UP

TIME

Name Date

S3

1. $68.7 - 11.28$	2. $995 - 381$	3. 5×6	4. $98.56 + 82.12$	5. $907 - 526$	6. 8×11	7. $56 \div 8$	8. $100 \div 10$
9. $77.2 - 47$	10. 8×8	11. $79 - 56.1$	12. 5×10	13. 3×11	14. $946 - 94$	15. $92 + 18$	16. 11×11
17. 11×12	18. $846 - 632$	19. 2×8	20. $96 - 79$	21. $63 \div 7$	22. 8×8	23. $46.98 + 32$	24. $42.26 - 9.01$
25. 7×11	26. $6 \div 2$	27. $43.82 - 27.68$	28. $63 \div 7$	29. $317 + 175$	30. 7×3	31. 6×6	32. $30 \div 3$
33. $35.15 + 33.2$	34. $19 + 3$	35. $94.6 + 42.76$	36. $89.21 + 6.9$	37. 11×3	38. $213 + 226$	39. $22 \div 2$	40. 4×9

SCORE

NUMBER-UP

TIME

CHECK IT

Calculating change from £10

2

Work out the change from £10 for each of the following amounts

1) £8.50

2) £4.15

3) £6.15

4) £8.00

5) £8.75

6) £4.10

7) £8.90

8) £5.50

9) £8.20

10) £5.05

11) £9.10

12) £7.00

13) £5.95

14) £6.40

15) £4.75

16) £5.90

17) £7.25

18) £4.50

19) £7.90

20) £9.51

21) £4.25

22) £6.00

23) £4.60

24) £7.50

25) £4.90

26) £5.30

27) £5.55

28) £6.50

29) £6.85

30) £5.75

CHECK IT

Multiplying Fractions

3

Work out

1) $\frac{1}{2} \times \frac{1}{4}$

2) $\frac{2}{3} \times \frac{1}{5}$

3) $\frac{1}{4} \times \frac{1}{5}$

4) $\frac{1}{3} \times \frac{2}{11}$

5) $\frac{1}{3} \times \frac{2}{7}$

6) $\frac{4}{5} \times \frac{1}{8}$

7) $\frac{1}{2} \times \frac{2}{9}$

8) $\frac{3}{4} \times \frac{1}{7}$

9) $\frac{2}{5} \times \frac{1}{3}$

10) $\frac{1}{2} \times \frac{2}{7}$

11) $\frac{2}{5} \times \frac{1}{4}$

12) $\frac{2}{3} \times \frac{2}{9}$

13) $\frac{3}{10} \times \frac{1}{6}$

14) $\frac{7}{10} \times \frac{1}{4}$

15) $\frac{4}{9} \times \frac{1}{4}$

16) $\frac{2}{3} \times \frac{2}{7}$

17) $\frac{3}{8} \times \frac{1}{3}$

18) $\frac{5}{8} \times \frac{2}{7}$

19) $\frac{3}{5} \times \frac{2}{7}$

20) $\frac{3}{5} \times \frac{1}{2}$

21) $\frac{2}{5} \times \frac{2}{7}$

22) $\frac{3}{5} \times \frac{2}{9}$

23) $\frac{3}{4} \times \frac{1}{9}$

24) $\frac{3}{7} \times \frac{2}{5}$

25) $\frac{3}{10} \times \frac{2}{9}$

26) $\frac{4}{5} \times \frac{1}{9}$

27) $\frac{3}{7} \times \frac{2}{9}$

28) $\frac{1}{2} \times \frac{4}{9}$

29) $\frac{3}{11} \times \frac{1}{4}$

30) $\frac{5}{8} \times \frac{1}{5}$

CHECK IT

Adding Fractions

4

Work out

1) $\frac{1}{2} + \frac{1}{4}$

2) $\frac{2}{3} + \frac{1}{5}$

3) $\frac{1}{5} + \frac{1}{4}$

4) $\frac{2}{11} + \frac{1}{3}$

5) $\frac{2}{7} + \frac{1}{3}$

6) $\frac{4}{5} + \frac{1}{8}$

7) $\frac{2}{9} + \frac{1}{2}$

8) $\frac{3}{4} + \frac{1}{7}$

9) $\frac{2}{5} + \frac{1}{3}$

10) $\frac{2}{7} + \frac{1}{2}$

11) $\frac{2}{5} + \frac{1}{4}$

12) $\frac{2}{9} + \frac{1}{3}$

13) $\frac{3}{10} + \frac{1}{6}$

14) $\frac{7}{10} + \frac{1}{4}$

15) $\frac{4}{9} + \frac{1}{4}$

16) $\frac{2}{3} + \frac{2}{7}$

17) $\frac{3}{8} + \frac{1}{3}$

18) $\frac{5}{8} + \frac{2}{7}$

19) $\frac{3}{5} + \frac{2}{7}$

20) $\frac{1}{10} + \frac{3}{5}$

21) $\frac{2}{5} + \frac{2}{7}$

22) $\frac{3}{5} + \frac{2}{9}$

23) $\frac{3}{4} + \frac{1}{9}$

24) $\frac{3}{7} + \frac{2}{5}$

25) $\frac{3}{10} + \frac{2}{9}$

26) $\frac{4}{5} + \frac{1}{9}$

27) $\frac{3}{7} + \frac{2}{9}$

28) $\frac{4}{9} + \frac{1}{2}$

29) $\frac{3}{11} + \frac{1}{4}$

30) $\frac{5}{8} + \frac{1}{5}$

Solving Linear Equations (B)



Solve the equations to find x .



Section A

- | | | | |
|------------------|-------------------|-------------------|--------------------|
| 1) $7x + 9 = 23$ | 4) $9x + 5 = 41$ | 7) $10x + 2 = 72$ | 10) $4x + 7 = 9$ |
| 2) $5x + 7 = 42$ | 5) $4x + 2 = 34$ | 8) $7x + 3 = 52$ | 11) $8x + 11 = 15$ |
| 3) $4x + 3 = 51$ | 6) $11x + 3 = 36$ | 9) $6x + 5 = 17$ | 12) $4x + 17 = 18$ |

Section B

- | | | | |
|------------------|-------------------|------------------|--------------------|
| 1) $1 + 6x = 19$ | 4) $11 + 5x = 71$ | 7) $23 = x + 8$ | 10) $13 = 11 + 4x$ |
| 2) $9 + 7x = 30$ | 5) $5 + 3x = 32$ | 8) $28 = 3x + 1$ | 11) $7 = 8x + 3$ |
| 3) $3 + 2x = 17$ | 6) $4 + 5x = 44$ | 9) $53 = 8x + 5$ | 12) $12 = 7 + 15x$ |

Section C

- | | | | |
|------------------|------------------|-------------------|-------------------|
| 1) $4x - 1 = 31$ | 4) $8x - 2 = 46$ | 7) $9x - 4 = 32$ | 10) $2x - 1 = 2$ |
| 2) $3x - 4 = 29$ | 5) $2x - 7 = 21$ | 8) $5x - 1 = 64$ | 11) $4x - 8 = 10$ |
| 3) $6x - 5 = 31$ | 6) $7x - 3 = 18$ | 9) $12x - 9 = 39$ | 12) $15x - 2 = 3$ |

Section D

- | | | | |
|-----------------|------------------|--------------------|--------------------|
| 1) $x - 3 = -2$ | 4) $x + 3 = 2$ | 7) $2x - 3 = -9$ | 10) $2x + 5 = 1$ |
| 2) $x - 5 = -1$ | 5) $x + 9 = 4$ | 8) $2x - 10 = -2$ | 11) $2x + 14 = 4$ |
| 3) $x - 6 = -4$ | 6) $x + 10 = -5$ | 9) $2x - 18 = -20$ | 12) $2x + 11 = -5$ |

Section E

- | | | | |
|----------------|-----------------|------------------|--------------------|
| 1) $5 - x = 2$ | 4) $8 - x = 14$ | 7) $3 - 2x = 5$ | 10) $2 - 3x = 14$ |
| 2) $9 - x = 5$ | 5) $2 - x = 15$ | 8) $5 - 2x = 15$ | 11) $6 - 3x = 27$ |
| 3) $6 - x = 3$ | 6) $7 - x = 21$ | 9) $8 - 2x = 12$ | 12) $16 - 5x = 61$ |

Section F

- | | | | |
|------------------|-------------------|--------------------|---------------------|
| 1) $3x - 1 = 14$ | 5) $1 - x = 6$ | 9) $34 = -6 + 5x$ | 13) $3 - 2x = 5$ |
| 2) $x - 4 = -3$ | 6) $8 + 5x = 63$ | 10) $6 + 11x = -5$ | 14) $8x + 42 = -54$ |
| 3) $3 + 2x = 17$ | 7) $16 - 2x = 40$ | 11) $-29 = 3 + 4x$ | 15) $6x - 16 = -70$ |
| 4) $7x - 6 = 50$ | 8) $34 = 6 - 4x$ | 12) $6x + 13 = 25$ | 16) $-9 - 4x = -53$ |

Name :

71.4

Question 1 Work out $200000 + 50000 + 900 + 0.03 + 0.002$	Question 2 Work out $200 + 10 + 7 + 0.9 + 0.01$	Question 3 Work out $69 \times 58 =$	Question 4 Work out $83 \times 78 =$
Question 5 Simplify $8a + 2b + 7a + 5b$	Question 6 Simplify $9a + 5b + 6a + 5b$	Question 7 Work out the value of $x - 6$ when $x = 11$	Question 8 Work out the value of $6b + 5$ when $b = 7$
Question 9 Round 7901 to 1 significant figure	Question 10 Round 76.8 to 1 significant figure	Question 11 Solve $x \div 5 = 11$	Question 12 Solve $x \div 5 = 5$
Question 13 Find the missing terms in the sequence 22, 19, ?, ?, 10,....	Question 14 Find the missing terms in the sequence ?, 26, 22, ?, 14,....	Question 15 Expand $2(11 - 2x)$	Question 16 Expand $5(3x - 1)$
Question 17 Complete $39.6 \text{ m} = \dots \text{ cm}$	Question 18 Complete $13.1 \text{ m} = \dots \text{ cm}$	Question 19 What is the 13th square number?	Question 20 What is the 4th cube number?

SKILLS CHECK

Score

