



Williamwood High School



MATHEMATICS

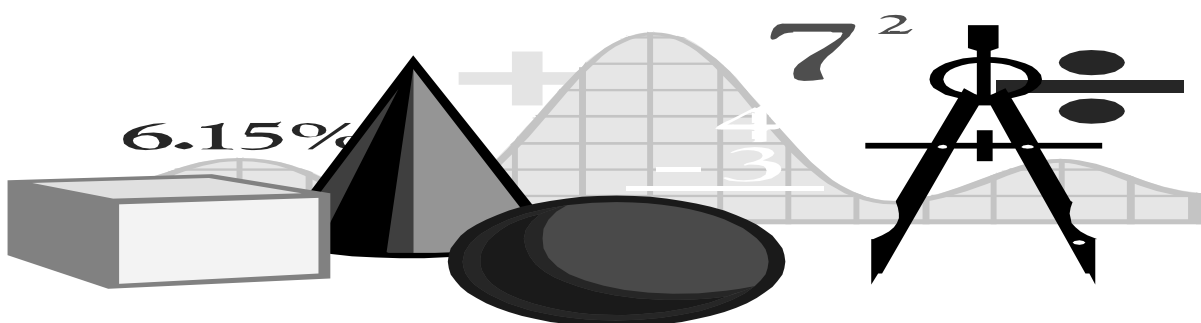
BROAD GENERAL EDUCATION

S1

DAILY HOMEWORK BOOKLET

Notes:

1. CALCULATORS MAY ONLY BE USED WHEN INSTRUCTED
2. ATTEMPT ALL QUESTIONS
3. SHOW WORKING FOR ALL QUESTIONS



S1 Daily Homework

Week 1

Monday

1. Find $54795 + 74579$
2. Find $12632 - 11815$
3. 538×8
4. $6588 \div 3$
5. Round 789 to nearest 10.
6. Round 612 to nearest 100.
7. Change 1651hrs to 12 hour clock.
8. Change 7.32pm to 24 hour clock.
9. Draw an obtuse angle.

Tuesday

1. Find $62102 + 32365$
2. Find $61098 - 24849$
3. 487×4
4. $4972 \div 2$
5. Round 914 to nearest 10.
6. Round 672 to nearest 100.
7. Change 0651hrs to 12 hour clock.
8. Change 11.49pm to 24 hour clock.
9. Draw a right angle.

Thursday

1. Find $24839 + 50804$
2. Find $84067 - 71488$
3. 962×5
4. $8544 \div 6$
5. Round 741 to nearest 10.
6. Round 651 to nearest 100.
7. Change 2258hrs to 12 hour clock.
8. Change 6.23pm to 24 hour clock.
9. Draw an acute angle.

Extension

1. Find $74340 + 32547$
2. Find $36813 - 29876$
3. 386×4
4. $8491 \div 7$
5. Round 839 to nearest 10.
6. Round 348 to nearest 100.
7. Change 2038hrs to 12 hour clock.
8. Change 4.42am to 24 hour clock.
9. Draw a reflex angle.

S1 Daily Homework

Week 2

Monday

1. 18×14
2. 21×13
3. 32×12
4. 41×15
5. 36×14
6. 182×24
7. 284×45
8. 385×23

Tuesday

1. 15×12
2. 26×18
3. 33×16
4. 42×14
5. 51×12
6. 136×27
7. 336×73
8. 847×36

Thursday

1. 19×16
2. 28×13
3. 284×54
4. 825×76
5. 774×364
6. 26×18
7. 273×36
8. 356×37

Extension

1. 736×63
2. 275×35
3. 874×473
4. 8778×342
5. 5493×376
6. 8836×602
7. 3740×3782

Monday

Find the following:

1. $3 - 5$
2. $7 - 11$
3. $3 - 9$
4. $-4 + 2$
5. $-7 + 12$
6. $-5 - 6$
7. $5 - 15$
8. $-17 + 5$
9. $11 - 20$
10. $8 - 16$

Tuesday

Find the following:

1. $7 - 13$
2. $5 - 8$
3. $-5 + 2$
4. $-9 + 4$
5. $-12 - 14$
6. $23 - 29$
7. $-11 + 5$
8. $-17 - 23$
9. $-15 + 9$
10. $-50 - 25$

Thursday

Find the following:

1. $5 - 19$
2. $-4 - 18$
3. $-21 + 5$
4. $-11 + 17$
5. $8 - 41$
6. $-14 - 23$
7. $-9 - 16$
8. $81 - 91$
9. $-11 + 7$
10. $-33 - 21$

Extension

Find the following:

1. $10 - 40$
2. $3 - 15$
3. $-4 + 9$
4. $-16 - 7$
5. $45 - 50$
6. $-100 + 5$
7. $-200 + 100$
8. $14 - 19$
9. $-1 + 1$
10. $-17 + 23$

S1 Daily Homework

Week 4

Monday

1. $5 - 9$
2. $-4 + 7$
3. $3 + (-10)$
4. $6 - (-11)$
5. $12 + (-20)$
6. $9 - (-14)$
7. $-5 + (-12)$
8. $-21 - (-30)$
9. $3 - 5 + (-15)$
10. $-13 + (-2) - (-9)$

Tuesday

1. $7 - 11$
2. $-3 + 10$
3. $8 + (-12)$
4. $3 - (-9)$
5. $15 + (-18)$
6. $1 - (-17)$
7. $-3 + (-9)$
8. $-2 - (-40)$
9. $2 - 6 + (-8)$
10. $-12 + (-5) - (-6)$

Thursday

1. $8 - 14$
2. $-3 + 7$
3. $5 + (-16)$
4. $3 - (-14)$
5. $14 + (-24)$
6. $7 - (-7)$
7. $-6 + (-6)$
8. $-40 - (-50)$
9. $7 - 8 + (-9)$
10. $-16 + (-5) - (-1)$

Extension

1. $5 - 13$
2. $-4 + 19$
3. $8 + (-18)$
4. $4 - (-25)$
5. $17 + (-9)$
6. $18 - (-2)$
7. $-9 + (-5)$
8. $-60 - (-20)$
9. $19 + (-5) - (-2)$
10. $-14 + (-3) - (-5)$

S1 Daily Homework

Week 5

Monday

Find the following:

1. $4 - (-7)$
2. $-3 + (-10)$
3. $-19 - (-8)$
4. $12 - 17 + (-3)$
5. $10 + (-5) - (-9)$
6. $-12 \times (-4)$
7. $5 \times (-3)$
8. $4 + 2 \times (-5)$
9. $(5 - 9) \times (-7 + (-2))$

Tuesday

Find the following:

1. $6 + (-11)$
2. $-8 - (-11)$
3. $3 + (-11) - 7$
4. $1 - (-7) + (-10)$
5. $64 \div (-4)$
6. $(-7)^2$
7. $6 - 4 \times 3$
8. $5 \times (-4) \times (-3)$
9. $12 - (6 \times 4) + 3$

Thursday

Find the following:

1. $12 + (-27)$
2. $4 - (-13)$
3. $-17 + (-4)$
4. $-20 + (-5) - (-11)$
5. $6 \times (-8)$
6. $540 \div (-9)$
7. $(-2)^3$
8. $13 - 7 \times 5$
9. $(5 \times 6) - (-3 \times 2)$

Extension

Find the following:

1. $17 + (-29)$
2. $-6 - (-10)$
3. $6 + (-23)$
4. $-13 + (-9) - (-6)$
5. $-4 \times (-9) \times (-10)$
6. $(-121) \div (-11)$
7. $1 \times (-2) \times 3 \times (-4) \times 5 \times (-6)$
8. $100 - 4 \times 9$
9. $(6 - 17) \times (-4 + 9)$
10. $(-3)^3$

Monday

Evaluate the following expressions when $x = 1$, $y = 3$ and $z = 4$:

1. $4xy$
2. $2yz$
3. $5xz$
4. xyz
5. $2xy + 3yz$
6. $5xz + 4xy$

Tuesday

Evaluate the following expressions when $x = 1$, $y = 3$ and $z = 4$:

1. $4yz - 8xy$
2. $5xz - 2xy$
3. $6x + 5y - 2z$
4. $yz - 6x$
5. $6y + xyz$
6. $3xy + 2yz - 5xz$

Thursday

Evaluate the following expressions when $x = 1$, $y = 3$ and $z = 4$:

1. $2xyz$
2. $5x + 7y - z$
3. $2xz - 6x$
4. $5yz - 2xy$
5. $xy + 3yz - 2z$
6. $xyz + 2x - 3z$

Extension

Evaluate the following expressions when $x = 1$, $y = 3$ and $z = 4$:

1. $6xy$
2. $2z + 3y - x$
3. $6xy - 5z$
4. $10xyz - 5x + y$
5. $3xy + yz - 10x$
6. $8yz - 10z + xy$

Monday

Simplify the following:

1. $19r + 14f - 8r + 2f$
2. $21d + 7w - 4d - 6w$
3. $14q + 5z - 7q - 4z$
4. $3p + 18m - 4p + 4m$
5. $15b + 3e - 17b - e$
6. $10 + 4w + 8k - 3 + 3w - 5k$
7. $12 - c + 4n - 7 + 5n + 3c$
8. $6s + 14 - 2n + 3 - 9 - 5s$

Tuesday

Simplify the following:

1. $5u + 18f - 3u - 12f$
2. $7i + 20p - 4i + 14p$
3. $18v - 9v + e + 8e$
4. $13w - r + 7w + 6r$
5. $7a - 3e - 4d + 7e$
6. $9 + 6e + 8j - 5 - 7e$
7. $9m - 1 + 5v - 7m - 6v + 7$
8. $23 - 2q + 10f - 17 + 7q - 3f$

Thursday

Simplify the following:

1. $2i + 8j - i - 5j$
2. $13r + 14b - 7r + 3b$
3. $9p + 4h - 3p - 3h$
4. $5 + 3e + 19k - 2 - 7k + 5e$
5. $14 + 8e - j + 8e + 7j - 3$
6. $-1 + 6k - 3w + 17 - 3k + 4w$
7. $12 + 4y + 9e - 7 + 5y - 10e$
8. $8y + 4e + 9f - 5y + 7e - 6f$

Extension

1. 476×23
2. 359×20
3. 4576×12
4. 364×46
5. 673×47
6. 697×47
7. 996×78
8. 386×73
9. 6876×19
10. 8864×65

S1 Daily Homework

Week 8

Monday

1. $3 + (-10)$
2. $4 - (-15)$
3. $-7 + (-12)$
4. $-9 - (-24)$
5. $5 \times (-4)$
6. $-3 \times (-9)$
7. $45 \div (-5)$
8. $(-3)^2$
9. $2 \times (-4) \times (-6)$
10. $-160 \div (-10)$

Tuesday

1. $4 + (-12)$
2. $9 - (-1)$
3. $-6 + (-14)$
4. $-1 - (-32)$
5. $8 \times (-2)$
6. $-9 \times (-4)$
7. $36 \div (-6)$
8. $(-2)^2$
9. $2 \times (-8) \times (-1)$
10. $-320 \div (-10)$

Thursday

1. $6 + (-11)$
2. $3 - (-2)$
3. $-8 + (-11)$
4. $-3 - (-5)$
5. $7 \times (-6)$
6. $-4 \times (-7)$
7. $24 \div (-12)$
8. $(-4)^2$
9. $3 \times (-2) \times (-4)$
10. $-1800 \div (-100)$

Extension

1. $7 + (-20)$
2. $6 - (-4)$
3. $-14 + (-9)$
4. $-2 - (-17)$
5. $9 \times (-8)$
6. $-5 \times (-6)$
7. $15 \div (-15)$
8. $(-9)^2$
9. $9 \times (-6) \times (-2)$
10. $-3800 \div (-100)$

S1 Daily Homework

Week 9

Monday

1. 4485×6
2. 2957×9
3. 374×23
4. 983×12
5. A rectangle has length of 9m and breadth of 28m. Calculate the area.
6. $32 - 2 \times 7$
7. $50 + 3 \times 5 - 3$

Solve the following equations:

8. $r - 13 = 30$
9. $2p = 42$
10. $y + 5 = 19$

Tuesday

1. 6847×4
2. 5637×9
3. 514×5
4. 693×23
5. A rectangle has a length of 11m and breadth of 21. Calculate the area.
6. $81 - 5 \times 3$
7. $21 + 4 \times 5 - 7$

Solve the following equations:

8. $e + 23 = 62$
9. $7y = 56$
10. $u - 13 = 71$

Thursday

1. 3876×8
2. 3756×7
3. 775×51
4. 273×54
5. A rectangle has length of 23m and breadth of 162m. Calculate the area.
6. $(3 + 9) \times (12 - 7)$
7. $2 + 8 \times 5 - 14$

Solve the following equations:

8. $p - 32 = 72$
9. $9k = 81$
10. $a - 14 = 35$

Extension

1. 4736×7
2. 3857×2
3. 485×38
4. 463×9
5. 6844×23
6. 4956×88
7. 238×376
8. 385×47
9. 37×593
10. 284×373

Monday

9. 54×17
10. 23×64
11. $5 + (-13)$
12. $13 - (-4)$
13. $2 \times (-5)$
14. $(-3) \times (-6)$
15. $4 + 2 \times 5$
16. 3×4^2

Tuesday

1. 41×16
2. 21×324
3. $(-6) + 18$
4. $(-4) - (-11)$
5. $7 \times (-5)$
6. $(-8) \times (-4)$
7. $17 - 4 \times 6$
8. $2 \times (-5)^2$

Thursday

1. 37×26
2. 13×45
3. $6 + 13 - 15$
4. $14 - (-2) + (-5)$
5. $18 \div (-3)$
6. $(-32) \div (-4)$
7. $(4 + 5)^2 - (-13)$
8. $(3 - (-2))^2 - (-14)$

Extension

1. I bought 3 packets of crisps and was given 56pence change from £2. How much did one packet of crisps cost?
2. I spent £4 on 3 packets of shortbread and a bottle of milk at £1.15. How much did one packet of shortbread cost?
3. I got £3.10 change from £10 when I bought 2 pairs of socks. How much did one pair of socks cost?

Monday

Find the following:

1. $18 - (-4)$
2. $-3 + (-7)$
3. $-17 - (-5)$
4. $10 - (-11)$
5. $9 \times (-3)$
6. $-4 \times (-5)$
7. $36 \div (-9)$
8. $-75 \div (-5)$
9. $13 + (-9) - (-12)$
10. $(-5)^2$

Tuesday

Find the following:

1. $8 - (-9)$
2. $-9 + (-4)$
3. $-10 - (-8)$
4. $14 - (-23)$
5. $5 \times (-7)$
6. $-7 \times (-3)$
7. $48 \div (-6)$
8. $-81 \div (-9)$
9. $8 + (-7) - (-21)$
10. $(-7)^2$

Thursday

Find the following:

1. $29 - (-5)$
2. $-12 + (-8)$
3. $-8 - (-13)$
4. $9 - (-17)$
5. $8 \times (-7)$
6. $-9 \times (-3)$
7. $54 \div (-9)$
8. $-121 \div (-11)$
9. $-8 + (-6) - (-20)$
10. $(-13)^2$

Extension

Find the following:

1. $15 - (-6)$
2. $-5 + (-12)$
3. $-10 - (-9)$
4. $50 - (-20)$
5. $8 \times (-5)$
6. $-3 \times (-9)$
7. $99 \div (-9)$
8. $-32 \div (-8)$
9. $19 + (-14) - (-4)$
10. $(-4)^2$

Monday

Simplify the following expressions:

1. $4h + 3r - 7h + 9r$
2. $5 - 7i - 7 - 11i$
3. $9p - 13 + 4j + 9 - 3p + 5j$
4. $c \times c \times c$
5. $5a \times 5b$
6. $6r \times 3r$
7. $3gh + 5gh$
8. $(5j)^2$
9. $7p^2 - 4p \times 2p$
10. $4v^3 - 7w^2 + 9v^3 + 5w^2$

Tuesday

Simplify the following expressions:

1. $8f - 4e - 2f + 5e$
2. $4w - 5 - 3w + 1$
3. $9 - 3e + 3j + 5 + 6e - 4j$
4. $s \times s$
5. $3m^2 \times 4m$
6. $7ef - 2ef$
7. $5cd \times 8cd$
8. $(7z)^2$
9. $3b^4d \times 7bd^2$
10. $(4r)^3$

Thursday

Simplify the following expressions:

1. $5r + 3j + 9r - 5j$
2. $7 - 4e + 9 + 6e$
3. $8n - 3m + 1 + 4m - 3n - 1$
4. $5f \times 3f^2$
5. $7e \times 5e$
6. $12a \times 4a^3$
7. $3f \times 4g - 5f \times 6g$
8. $(2e)^2$
9. $12g^2 - e \times 3e$
10. $b - c^2 + 3b^3 - 2c^2 + 5b^3$

Extension

Peter has a padlock for his bike, which has a 4-digit code. Each of the four digits is a number from 1 to 9. Peter has forgotten his code but wrote down the following reminders.

- The four numbers are different
- The product of the first and third numbers is 6
- The second number is a square number
- The fourth number is half of the second number
- The first number is the largest of the four
- The total of all four numbers is 13.

Monday

Simplify the following fractions:

1. $\frac{5}{15}$
2. $\frac{6}{18}$
3. $\frac{25}{55}$

Convert the following mixed fractions into improper (top-heavy) fractions:

4. $1\frac{3}{8}$
5. $4\frac{2}{7}$
6. $8\frac{4}{7}$

Find the following:

7. $\frac{1}{4}$ of £3016
8. $\frac{4}{5}$ of £21,075
9. $\frac{6}{7}$ of £59,822
10. $\frac{3}{10}$ of £560,000

Tuesday

Simplify the following fractions:

1. $\frac{13}{26}$
2. $\frac{16}{24}$
3. $\frac{26}{44}$

Convert the following mixed fractions into improper (top-heavy) fractions:

4. $2\frac{5}{8}$
5. $9\frac{3}{4}$
6. $8\frac{4}{5}$

Find the following:

7. $\frac{1}{4}$ of £27,728
8. $\frac{3}{5}$ of £445,500
9. $\frac{5}{7}$ of £642,194
10. $\frac{9}{10}$ of £63,780

Thursday

Simplify the following fractions:

1. $\frac{16}{52}$
2. $\frac{6}{27}$
3. $\frac{27}{45}$

Convert the following mixed fractions into improper (top-heavy) fractions:

4. $4\frac{3}{7}$
5. $1\frac{5}{9}$
6. $3\frac{4}{5}$

Find the following:

7. $\frac{1}{8}$ of £84,496
8. $\frac{2}{7}$ of £10,794
9. $\frac{7}{8}$ of £78,776
10. $\frac{9}{10}$ of £123,560

Extension

Monday

Evaluate the following when $e = 2$, $f = 5$ and $g = 4$:

1. $e + f$
2. $f - g$
3. $2e + 4$
4. $3f - 2g$
5. gf
6. $ef + 2g$
7. ef^2
8. $(f - e)^2 + 2e$
9. $efg + f^2$
10. $(f + g)^2 - fg$

Tuesday

Evaluate the following when $b = 3$, $c = 1$ and $d = 6$:

1. $c + d$
2. $c - b$
3. $3d + c$
4. $2c - d$
5. bd
6. $cd + b$
7. bc^2
8. $(d - b)^2 + 2c$
9. $bcd + b^2$
10. $(b + c)^2 - cd$

Thursday

Evaluate the following when $e = 4$, $f = 0$ and $g = 7$:

1. $e + f + g$
2. $f - g + e$
3. $2e + 8$
4. $3f - 2g + e$
5. $gf - ef$
6. $eg + 9$
7. ef^2
8. $(f - e)^2 + 2e$
9. $eg + g^2$
10. $3(f + g) - e$

Extension

Evaluate the following when $b = 4$, $c = -1$ and $d = -2$:

1. $c + d$
2. $c - b$
3. $3d + c$
4. $2c - d$
5. bd
6. bc^2
7. $(d - b)^2 + 2c$
8. bcd

Monday

Simplify the following fractions:

1. $\frac{4}{8}$
2. $\frac{10}{25}$
3. $\frac{18}{38}$

Convert the following mixed fractions into improper (top-heavy) fractions:

4. $2\frac{2}{7}$
5. $3\frac{1}{5}$
6. $6\frac{8}{9}$

Find the following:

7. $\frac{2}{3}$ of £1,371
8. $\frac{5}{7}$ of £57,729
9. $\frac{5}{9}$ of £41,202
10. $\frac{7}{10}$ of £430,000

Tuesday

Simplify the following fractions:

1. $\frac{9}{12}$
2. $\frac{21}{35}$
3. $\frac{18}{48}$

Convert the following mixed fractions into improper (top-heavy) fractions:

4. $3\frac{2}{9}$
5. $2\frac{4}{5}$
6. $3\frac{4}{7}$

Find the following:

7. $\frac{2}{3}$ of £3,294
8. $\frac{5}{7}$ of £352,142
9. $\frac{5}{9}$ of £50,463
10. $\frac{7}{10}$ of £890,000

Thursday

Simplify the following fractions:

1. $\frac{4}{14}$
2. $\frac{10}{60}$
3. $\frac{8}{28}$

Convert the following mixed fractions into improper (top-heavy) fractions:

4. $6\frac{2}{5}$
5. $7\frac{5}{6}$
6. $4\frac{3}{8}$

Find the following:

7. $\frac{2}{7}$ of £39,823
8. $\frac{3}{5}$ of £284,975
9. $\frac{5}{6}$ of £35,322
10. $\frac{7}{10}$ of £557,000

Extension

1. Of the 365 days last year, it rained on $\frac{3}{5}$ of them.
 - a. How many days were wet?
 - b. How many days were dry?
2. A turtle laid 126 eggs but $\frac{3}{7}$ were eaten by birds.
 - a. How many eggs were eaten?
 - b. What fraction of eggs survived?

Monday

1. $4.5 + 1.23$
2. $15.8 - 9.42$
3. $11.34 + 7.6$
4. 4.3×5
5. 8.4×8
6. 1.24×10
7. 0.47×100
8. 2.3×20
9. 0.82×500
10. 0.082×300

Tuesday

1. $13.3 - 8.98$
2. $4.01 + 3.8$
3. $34.96 - 15.7$
4. 7.4×6
5. 0.6×9
6. $8.4 \div 4$
7. $125.5 \div 5$
8. $73.2 \div 10$
9. $13.8 \div 100$
10. $262.2 \div 200$

Thursday

1. $27.7 + 14.87$
2. $43.57 - 17.6$
3. 4.6×10
4. 0.75×10
5. 11.54×100
6. 0.0362×1000
7. 5.7×20
8. 0.723×300
9. 0.005×4000
10. 4.3×5000

Extension

1. $23.4 + 5.4 \times 6$
2. $17.9 - 1.2 \times 7$
3. $0.46 \times 10 - 2.98$
4. $34.53 - 0.23 \times 200$

Monday

Write the following as fractions in their simplest form:

1. 25%
2. 50%
3. 80%
4. 14%
5. 36%
6. 8%
7. 45%
8. 72%
9. 84%
10. 98%

Tuesday

Write the following as fractions in their simplest form:

1. 75%
2. $33\frac{1}{3}\%$
3. 35%
4. 30%
5. 18%
6. 42%
7. 65%
8. 4%
9. 70%
10. 2%

Thursday

Write the following as fractions in their simplest form:

1. $66\frac{2}{3}\%$
2. 99%
3. 5%
4. 60%
5. 55%
6. 78%
7. 16%
8. 90%
9. 6%
10. 58%

Extension

1. $3480 \div 8$
2. $68,805 \div 9$
3. $147,096 \div 6$
4. $23,260 \div 5$
5. $598,113 \div 9$
6. $444,682 \div 7$
7. $174,500 \div 4$
8. $5,278,912 \div 8$
9. $267,468 \div 6$
10. $876,547 \div 7$

Monday

If $a = -2$, $b = 3$, $c = -1$ and $d = 4$, evaluate the following:

1. $2a$
2. ab
3. $3dc$
4. $a + c$
5. $d - c$
6. $4c + d$
7. $a^2 + bc$
8. $ac + 2b - d$
9. $ab - b^2 + cd$
10. $abcd$

Tuesday

If $a = -5$, $b = 2$, $c = -3$ and $d = 1$, evaluate the following:

1. bc
2. ac
3. $a - d - c$
4. $c + bc$
5. $a^2 - cd$
6. $2c - bd + 5a$
7. $(b - a)^2$
8. $(c - d)^2 + ab$
9. $3c^2$
10. b^3c

Thursday

If $g = 7$, $h = -3$, $i = 2$ and $j = -1$, evaluate the following:

1. $h + i - j$
2. $gh - i$
3. hj^2
4. $(i - h)^3$
5. $4g - 2h$
6. $ij - 5j$
7. $i^2 - hj + 6$
8. $h - j - i - g$
9. $4hi - gj$
10. $(hij)^2$

Extension

If $w = 5$, $x = -2$, $y = 4$ and $z = -3$, evaluate the following:

1. xy
2. $xz - 3w$
3. $2w - 5x$
4. $x - 4y + z$
5. $w + x^2 - yz$
6. $y - xz + wx$
7. $wxy - 4yz$
8. $w^2 + x^2 + yz$
9. $wx^2 - xy + z^2x$
10. wxy^2

Monday

1. 25% of £5136
2. 75% of £4816
3. $33\frac{1}{3}\%$ of £1356
4. 10% of £270
5. 40% of £350
6. 15% of £260
7. 12.5% of £460
8. 17.5% of £240
9. 22.5% of £880

Tuesday

1. 25% of £8408
2. 75% of £9660
3. $33\frac{1}{3}\%$ of £1560
4. 10% of £730
5. 40% of £380
6. 15% of £140
7. 12.5% of £440
8. 17.5% of £540
9. 22.5% of £680

Thursday

1. 25% of £9640
2. 75% of £14,080
3. $33\frac{1}{3}\%$ of £2859
4. 10% of £910
5. 40% of £640
6. 15% of £620
7. 12.5% of £400
8. 17.5% of £180
9. 22.5% of £40

Extension

1. 25% of £30,080
2. 75% of £20,840
3. $33\frac{1}{3}\%$ of £28,869
4. 10% of £12,000
5. 40% of £32,000
6. 15% of £1450
7. 12.5% of £4620
8. 17.5% of £1480
9. 22.5% of £8880

Monday

Simplify the following:

1. $4a + 2b + 3a + 5b$
2. $7y + 5z - 3y + 2z$
3. $5r + 10 - 3p - 6 + 4p - 4r$
4. $5 - 3e + 7q + 7e - 9q + 4$

Evaluate the following when $e = 5$, $f = 2$ and $g = 7$:

5. $e + g$
6. $g - f$
7. ef
8. $2eg - ef$
9. ef^2
10. $(e - f)^2 + 2g$

Tuesday

Simplify the following:

1. $5f + 3g + 10f + g$
2. $9u + 3v - 8u - v$
3. $5 - 2b + 6c - 3 - 6c + 5b$
4. $8i - 8 + 4j - 3 - 2i + 9j$

Evaluate the following when $p = 3$, $q = 1$ and $r = 9$:

5. $2p$
6. $2r - p$
7. qp
8. $5q + pr$
9. rq^2
10. $(r - q)^2 + 5p$

Thursday

Simplify the following:

1. $5e + 2f + 2e + 3f$
2. $9x - 6f - 3x + 7f$
3. $12 + 6j - 4k + 3j - 8 - 3k$
4. $14q + 3w - 9 + 2w - 3q + 2$

Evaluate the following when $d = 4$, $e = 2$ and $f = 3$:

5. $d - f$
6. $2d + f$
7. $de + ef$
8. $10d - 4e$
9. $(ef)^2$
10. $(d - e)^2 + 4ef$

Extension

Simplify the following:

1. $7h + 4n - 6h + 2n$
2. $8m - 3d + 2m + 5d$
3. $4a - 4 + 5q - 3a + 9 - 2q$
4. $5g - 2 + 3m - 7m + 9 - 4g$

Evaluate the following when $i = 7$, $j = 2$ and $k = 4$:

5. $4i$
6. ij
7. $4j + 10k$
8. $ik - jk$
9. $ij^2 - j$
10. $(i - j)^2 + 10i$

Monday

1. $6.7 + 7.2$
2. $26.57 + 6.4$
3. $45.28 - 12.4$
4. 7.65×9
5. 54.74×7
6. 4.2×10
7. 76.51×100
8. 12.5874×1000

Round the following numbers to 1 decimal place:

9. 7.42
10. 34.475
11. 67.35
12. 19.99

Tuesday

1. $6.9 + 9.2$
2. $36.57 + 8.4$
3. $45.38 - 13.4$
4. 8.35×9
5. 54.74×7
6. 14.9×10
7. 37.52×100
8. 13.1111×1000

Round the following numbers to 1 decimal place:

9. 0.556
10. 94.475
11. 167.355
12. 99.96

Thursday

1. $0.7 + 17.2$
2. $56.57 + 8.3$
3. $40.28 - 12.4$
4. 8.65×6
5. 55.74×7
6. 10.2×10
7. 86.58×100
8. 19.6344×1000

Round the following numbers to 1 decimal place:

9. 8.42
10. 35.477
11. 167.555
12. 0.99

Extension

1. $6.5 + 2.6$
2. $39.24 + 1.7$
3. $32.81 - 15.8$
4. 3.22×7
5. 45.83×9
6. 12.1×10
7. 279.58×100
8. 14.0007×1000

Round the following numbers to 1 decimal place:

9. 0.92
10. 45.671
11. 522.39
12. 0.04999

Monday

Solve the following equations:

1. $x + 7 = 8$
2. $x - 7 = 8$
3. $x + 1 = 5$
4. $x - 1 = 5$
5. $2x = 14$
6. $3x = 21$
7. $\frac{x}{2} = 9$
8. $\frac{x}{3} = 5$
9. $x + 6 = 17$
10. $x + 8 = 10$
11. $x - 8 = 10$

Tuesday

Solve the following equations:

1. $8x = 32$
2. $\frac{x}{8} = 2$
3. $x - 9 = 2$
4. $5x = 50$
5. $\frac{x}{5} = 3$
6. $\frac{x}{4} = 4$
7. $x + 7 = 20$
8. $x - 7 = 20$
9. $\frac{x}{7} = 4$
10. $7x = 35$

Thursday

Solve the following equations:

1. $x + 3 = 14$
2. $3x = 36$
3. $\frac{x}{7} = 4$
4. $x - 3 = 1$
5. $5x = 25$
6. $\frac{x}{7} = 4$
7. $x + 5 = 14$
8. $x - 5 = 2$
9. $x + 9 = 12$
10. $\frac{x}{7} = 4$
11. $9x = 117$

Extension

Solve the following equations:

1. $2x + 4 = 10$
2. $2x + 3 = 13$
3. $3x + 1 = 10$
4. $3x + 5 = 11$
5. $4x + 3 = 19$
6. $10x + 7 = 57$
7. $2x + 3 = 10$
8. $2x + 8 = 13$
9. $5x + 7 = 32$
10. $7x + 4 = 25$

Monday

1. Find 4.21×10
2. Find $65.4 \div 10$
3. Find 7184.3×100
4. Find $84.29 \div 100$
5. Round 4.56 to 1 decimal place.
6. Round 17.3856 to 2 decimal places.
7. Find the time between 2.38pm and 7.19pm
8. A film starts at 3.45pm. If the film lasts for 3 hours 24 minutes, when will it finish?
9. Solve $4r - 9 = 19$
10. Solve $5e = 45$

Tuesday

1. Find 16.98×10
2. Find $9.18 \div 10$
3. Find 24.789×100
4. Find $900.12 \div 100$
5. Round 8.25 to 1 decimal place.
6. Round 4.9017 to 2 decimal places.
7. Find the time between 6.59am and 1.34pm
8. A film starts at 4.45 pm. If the film lasts for 1 hour 16 minutes, when will it finish?
9. Solve $7p + 4 = 46$
10. Solve $6f - 12 = 18$

Thursday

1. Find 0.461×10
2. Find $0.364 \div 10$
3. Find 34.982×100
4. Find $17.265 \div 100$
5. Round 15.75 to 1 decimal place.
6. Round 9.37865 to 2 decimal places.
7. Find the time between 10.38am and 5.17pm
8. A train departs London at 5.43am. The duration of the journey is 7 hours and 13 minutes. When will it arrive?
9. Solve $30 = 6d - 18$
10. Solve $13w = 169$

Extension

1. Find 0.045×10
2. Find $9.735 \div 10$
3. Find 45.287×100
4. Find $13.6235 \div 100$
5. Round 12.02 to 1 decimal place.
6. Round 34.776 to 2 decimal places.
7. Find the time between 1043hrs and 6.43pm
8. A train departs Glasgow at 1.47pm. The duration of the journey is 4 hours and 26 minutes. When will it arrive?
9. Solve $24 = 40 - 2y$
10. Solve $12r = 144$

Monday

If $a = -1$, $b = 2$, $c = -3$ and $d = 5$, evaluate the following:

1. $4a$
2. ab
3. $3dc$
4. $a + c$
5. $d - c$
6. $4c + d$
7. $a^2 + bc$
8. $ac + 2b - d$
9. $ab - b^2 + cd$
10. $abcd$

Tuesday

If $a = -4$, $b = 3$, $c = -1$ and $d = 2$, evaluate the following:

1. bc
2. ac
3. $a - d - c$
4. $c + bc$
5. $a^2 - cd$
6. $2c - bd + 5a$
7. $(b - a)^2$
8. $(c - d)^2 + ab$
9. $3c^2$
10. b^3c

Thursday

If $g = 5$, $h = -4$, $i = 1$ and $j = -2$, evaluate the following:

1. $h + i - j$
2. $gh - i$
3. hj^2
4. $(i - h)^3$
5. $4g - 2h$
6. $ij - 5j$
7. $i^2 - hj + 6$
8. $h - j - i - g$
9. $4hi - gj$
10. $(hij)^2$

Extension

If $w = 6$, $x = -3$, $y = 1$ and $z = -5$, evaluate the following:

1. xy
2. $xz - 3w$
3. $2w - 5x$
4. $x - 4y + z$
5. $w + x^2 - yz$
6. $y - xz + wx$
7. $wxy - 4yz$
8. $w^2 + x^2 + yz$
9. $wx^2 - xy + z^2x$
10. wxy^2

Monday

Simplify the following expressions:

1. $4e + 6f - 3e + 2f$
2. $8y + 3g - 2y + 5g$
3. $6u - 3j + 2u + 5j$

Find the following:

4. 3.24×100
5. 0.7×1000
6. $64.5 \div 100$
7. $4 \div 1000$

Round the following to 1 decimal place:

8. 4.276
9. 112.756
10. 0.052

Tuesday

Simplify the following expressions:

1. $5r - 3s + 2r - 1s$
2. $10b + 2c - 4b + 2c$
3. $8n + 3c - 2n + 5c$

Find the following:

4. 6.38×100
5. 1.3×1000
6. $34.2 \div 100$
7. $8 \div 1000$

Round the following to 1 decimal place:

8. 6.374
9. 98.338
10. 55.555

Thursday

Simplify the following expressions:

1. $6x + 2z - 3x - z$
2. $3e - w + 5e + 3w$
3. $8a - 3b + 2a + 5b$

Find the following:

4. 8.91×100
5. 2.9×1000
6. $109.11 \div 100$
7. $0.51 \div 1000$

Round the following to 1 decimal place:

8. 2.3976
9. 57.3876
10. 0.1965

Extension

Simplify the following expressions:

1. $2e + 8f - e + 6f$
2. $4y + 8g - y + 7g$
3. $6b - 3h + 2b + 5h$

Find the following:

4. 2.19×100
5. 0.45×1000
6. $78.69 \div 100$
7. $7 \div 1000$

Round the following to 1 decimal place:

8. 5.551
9. 109.86
10. 10.051

Monday

Solve the following:

1. $e - 5 = 16$
2. $p + 13 = 50$
3. $3e = 18$
4. $\frac{b}{4} = 8$
5. $6w - 1 = 9$
6. $9p + 5 = 32$
7. $8u - 3 = 14$
8. $6h + 9 = 18$
9. $31 = 5r - 3$
10. $7 - 3f = 18$

Tuesday

Solve the following:

1. $f + 12 = 30$
2. $y - 4 = 17$
3. $6p = 42$
4. $\frac{e}{7} = 8$
5. $5x - 9 = 19$
6. $4w + 7 = 31$
7. $9m - 2 = 18$
8. $5r - 3 = 18$
9. $42 = 3p + 20$
10. $8 - 5e = 21$

Thursday

Solve the following:

1. $i - 5 = 18$
2. $e + 9 = 24$
3. $5r = 75$
4. $\frac{v}{11} = 7$
5. $4q - 1 = 19$
6. $3u - 5 = 18$
7. $8k - 12 = 42$
8. $11f - 7 = 16$
9. $28 = 2g - 18$
10. $12 - 5z = 18$

Extension

Solve the following:

1. $v - 5 = 18$
2. $p + 3 = 17$
3. $12p = 144$
4. $\frac{b}{3} = 18$
5. $3x - 5 = 69$
6. $7v + 2 = 18$
7. $9q - 5 = 26$
8. $14b - 18 = 24$
9. $31 = 6i - 9$
10. $4 - 7r = 21$

Monday

Simplify the following fractions:

1. $\frac{3}{27}$
2. $\frac{12}{40}$
3. $\frac{35}{45}$
4. $\frac{21}{63}$

Change the following into a mixed number:

5. $\frac{8}{5}$
6. $\frac{13}{4}$
7. $\frac{25}{7}$
8. $\frac{59}{8}$

9. Find $\frac{4}{7}$ of £1603
10. Find $\frac{3}{8}$ of £5208

Tuesday

Simplify the following fractions:

1. $\frac{16}{24}$
2. $\frac{25}{40}$
3. $\frac{36}{42}$
4. $\frac{81}{90}$

Change the following into a mixed number:

5. $\frac{9}{2}$
6. $\frac{17}{5}$
7. $\frac{41}{6}$
8. $\frac{100}{9}$

9. Find $\frac{3}{5}$ of £3070
10. Find $\frac{7}{9}$ of £7839

Wednesday

Simplify the following fractions:

1. $\frac{6}{54}$
2. $\frac{24}{40}$
3. $\frac{20}{28}$
4. $\frac{55}{110}$

Change the following into a mixed number:

5. $\frac{5}{3}$
6. $\frac{24}{5}$
7. $\frac{68}{7}$
8. $\frac{94}{9}$

9. Find $\frac{7}{8}$ of £8016
10. Find $\frac{8}{9}$ of £2007

Extension

Simplify the following fractions:

1. $\frac{4}{40}$
2. $\frac{18}{48}$
3. $\frac{27}{45}$
4. $\frac{13}{39}$

Change the following into a mixed number:

5. $\frac{15}{4}$
6. $\frac{33}{6}$
7. $\frac{41}{6}$
8. $\frac{75}{8}$

9. Find $\frac{2}{5}$ of £1685
10. Find $\frac{3}{7}$ of £7315

Monday

Simplify the following expressions:

1. $2e + 5r + 3e + 2r$
2. $6y + 12w + 3y + 2w$
3. $9i + 5j - 3i - 4j$
4. $10d + 6e - 4d - e$
5. $4a - 2b + 3a + 5b$
6. $2h - 7i - 5h + 9i$
7. $10 - 4y + 3z - 7 + 5y - 7z$
8. $12 - 3u - 4v - 3u + 5 - 2v$
9. $14 + 5j - 18 + 3r - 6j + 5r$
10. $3w - 7 + 4f - 3w + 1 - f$

Tuesday

Simplify the following expressions:

1. $4e + 5r + 6e + 8r$
2. $7y + 9w + 4y + 4w$
3. $8i + 6j - 2i - 4j$
4. $16d + e - 13d - 8e$
5. $7a - 9b + 3a + 4b$
6. $10h - 9i - 7h + 4i$
7. $19 - 5y + 7z - 11 + 6y - 8z$
8. $24 - 9u - 7v - 4u + 11 - 5v$
9. $37 + 12j - 46 + r - 7j + 8r$
10. $6w - 4 + 3f - 5w + 7 - 5f$

Thursday

Simplify the following expressions:

1. $3e + 9r + 3e + 3r$
2. $7y + 23w + 3y + 3w$
3. $9i + 9j - 3i - 4j$
4. $20d + 7e - 4d - e$
5. $4a - 3b + 3a + 9b$
6. $3h - 7i - 9h + 9i$
7. $20 - 4y + 3z - 7 + 9y - 7z$
8. $23 - 3u - 4v - 3u + 9 - 3v$
9. $24 + 9j - 28 + 3r - 7j + 9r$
10. $3w - 17 + 8f - 2w + 2 - 4f$

Extension

Simplify the following expressions:

1. $7e + 7r + 3e + 7r$
2. $6y + 32w + 3y + 2w$
3. $4i + 7j - 3i - 4j$
4. $30d + 6e - 4d - e$
5. $4a - 2b + 3a + 2b$
6. $2h - 8i - 2h + 4i$
7. $30 - 4y + 3z - 8 + 2y - 8z$
8. $37 - 3u - 4v - 3u + 7 - 7v$
9. $34 + 7j - 38 + 3r - 6j + 7r$
10. $3w - 8 + 4f - 3w + 3 - f$

Monday

Change the following measurements into centimetres:

1. 3mm
2. 4.2mm
3. 8m
4. 9km
5. 4.17m
6. 3.6km
7. 0.21mm
8. 5.92m
9. 3.713km
10. 12.8m

Tuesday

Change the following measurements into centimetres:

1. 8mm
2. 5.6mm
3. 9m
4. 5km
5. 3.93m
6. 6.21km
7. 1.6mm
8. 0.76m
9. 9.371km
10. 23.8m

Thursday

Change the following measurements into centimetres:

1. 6mm
2. 5.2mm
3. 12m
4. 3km
5. 8.02m
6. 6.1km
7. 0.04mm
8. 3.22m
9. 5.283km
10. 14.92m

Extension

Change the following measurements into centimetres:

1. 12mm
2. 8.2mm
3. 5m
4. 14km
5. 5.69m
6. 4.3km
7. 0.66mm
8. 4.72m
9. 5.284km
10. 33.8m

Monday

If $e = -2$, $f = 3$, $g = -1$ and $h = 4$, evaluate the following:

1. $2e$
2. ef
3. $3hg$
4. $e + g$
5. $h - g$
6. $4g + h$
7. $e^2 + fg$
8. $eg + 2f - h$
9. $ef - f^2 + gh$
10. $efgh$

Tuesday

If $p = -5$, $q = 2$, $r = -3$ and $s = 1$, evaluate the following:

1. qr
2. pr
3. $p - s - r$
4. $r + qr$
5. $p^2 - rs$
6. $2r - qs + 5p$
7. $(q - p)^2$
8. $(r - s)^2 + pq$
9. $3r^2$
10. q^3r

Thursday

If $g = 7$, $h = -3$, $i = 2$ and $j = -1$, evaluate the following:

1. $h + i - j$
2. $gh - i$
3. hj^2
4. $(i - h)^3$
5. $4g - 2h$
6. $ij - 5j$
7. $i^2 - hj + 6$
8. $h - j - i - g$
9. $4hi - gj$
10. $(hij)^2$

Extension

If $c = 5$, $d = -2$, $e = 4$ and $z = -3$, evaluate the following:

1. de
2. $dz - 3c$
3. $2c - 5d$
4. $d - 4e + z$
5. $c + d^2 - ez$
6. $e - dz + cd$
7. $cde - 4ez$
8. $c^2 + d^2 + ez$
9. $cd^2 - de + z^2d$
10. cde^2

Monday

Write the following as fractions in their simplest form:

1. 25%
2. 10%
3. 40%
4. 3%

Find the following:

5. 30% of £210
6. 7% of £400
7. 75% of £784

Change the following to mm:

8. 4cm
9. 1m
10. 2km

Tuesday

Write the following as fractions in their simplest form:

1. 50%
2. 60%
3. $33\frac{1}{3}\%$
4. 7%

Find the following:

5. 20% of £475
6. 3% of £800
7. 25% of £528

Change the following to mm:

8. 6cm
9. 0.4m
10. $\frac{1}{2}$ km

Thursday

Write the following as fractions in their simplest form:

1. $66\frac{2}{3}\%$
2. 20%
3. 15%
4. 11%

Find the following:

5. 70% of £320
6. 9% of £900
7. 75% of £784

Change the following to mm:

8. 4cm
9. 1m
10. 2km

Extension

Write the following as fractions in their simplest form:

1. 90%
2. 80%
3. 5%
4. 9%

Find the following:

5. 80% of £845
6. 17% of £700
7. 25% of £656

Change the following to mm:

8. 0.25cm
9. 6m
10. 0.14km

Monday

Simplify the following expressions:

1. $2e - 4r + 5e - 6r$
2. $4 - 8f + 5 + 5f$
3. $6y - 3 + 5u + 2 - 3y + 2u$
4. $a \times a$
5. $2a \times 3b$
6. $5r \times 2r$
7. $4ef + 2ef$
8. $(3w)^2$
9. $7f^2 - 2f \times 2f$
10. $4d^3 - 3d^2 + 9d^3 + 5d^2$

Tuesday

Simplify the following expressions:

1. $6v - 3d - 2v + 5d$
2. $5q + 9 - 8q - 1$
3. $7 - 5z + 2j + 3 + 4z - 8j$
4. $c \times c$
5. $3e^2 \times 2e$
6. $4gh - gh$
7. $6ef \times 2ef$
8. $(5w)^2$
9. $4b^2c \times 2bc$
10. $(2e)^3$

Thursday

Simplify the following expressions:

1. $3i - 4j + 9i - 2j$
2. $10 - 3e + 12 - 5e$
3. $6t - 3 - 6y + 4t - 2y + 1$
4. $4e \times e^2$
5. $7f \times 3f$
6. $10d \times 4d^3$
7. $3e \times 4r - 2e \times 2r$
8. $(6f)^2$
9. $12e^2 - 4e \times 3e$
10. $a - 3a^2 + 4a^3 - 3a^2 - a^3$

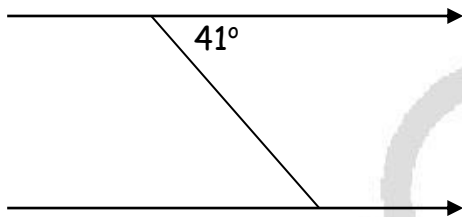
Extension

Simplify the following expressions:

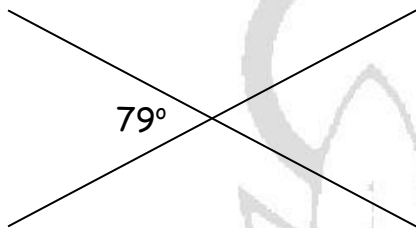
1. $10p - 5q + 2p - 3q$
2. $14 - 5f + 3w - 5 + 2f - 6w$
3. $4g \times 5g$
4. $-b \times 3b$
5. $4r^2 \times 3r^2$
6. $6ed \times 2e^2d$
7. $(4b)^3$
8. $4d \times 5d \times 2d$
9. $2e^2 \times 3e \times 5e^2$
10. $20d^2 - 4d \times (-2d)$

Monday

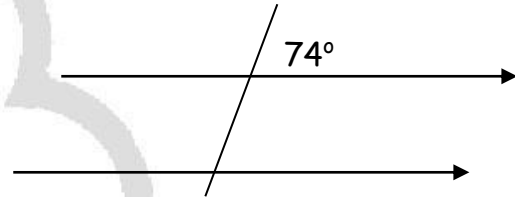
- Find the area of a rectangle with side lengths of 3m by 5.19m.
- Find the perimeter of a square with side length of 37.192m.
- Complete all angles below:



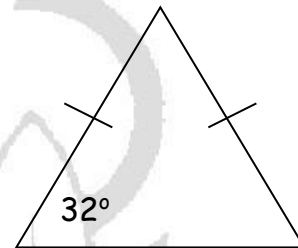
- Complete all angles below:

**Tuesday**

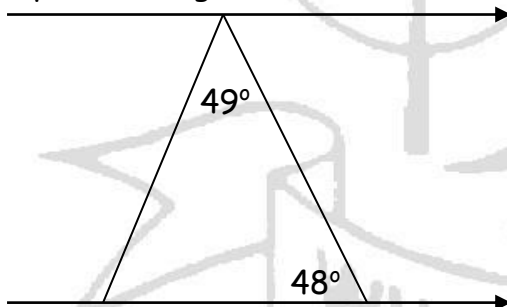
- Find the area of a square with side length of 30m.
- Find the perimeter of a rectangle with side lengths of 13.5m by 7m.
- Complete all angles below:



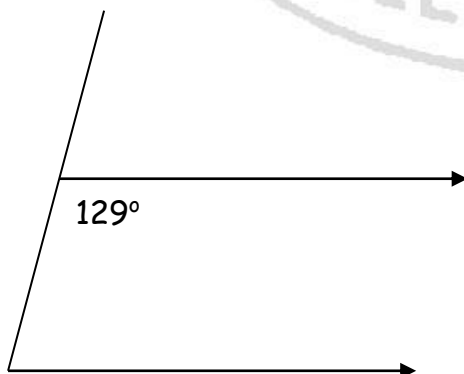
- Complete all angles below:

**Thursday**

- Complete all angles below:



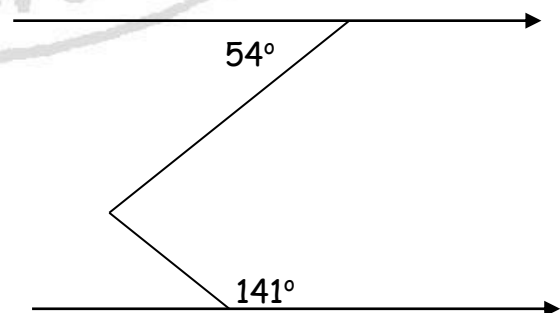
- Complete all angles below:

**Extension**

- Complete all angles in the parallelogram below:



- Complete all angles below:



Monday

Solve the following equations:

1. $3x + 1 = 2x + 4$
2. $5x - 4 = 3x + 2$
3. $10x - 6 = 4x - 18$
4. $9x + 5 = 4x - 10$
5. $8x + 4 = 3x - 16$
6. $9x + 4 = 7x + 5$
7. $10x - 1 = 4x - 6$
8. $4 + 3x = 7 - 2x$
9. $9 - 5x = 2x + 1$
10. $3 - 2x = 5 - 5x$

Tuesday

Solve the following equations:

1. $5x + 9 = 4x + 13$
2. $7x - 4 = 3x + 8$
3. $6x + 3 = 2x + 7$
4. $13x - 1 = 7x + 15$
5. $5x + 5 = 3x - 5$
6. $4x - 7 = 5x + 3$
7. $12x - 2 = 5x - 3$
8. $4x + 3 = 9x + 3$
9. $2 - 2x = 3x + 5$
10. $6 + 3x = 16 - 7x$

Thursday

Solve the following equations:

1. $12x - 2 = 5x + 12$
2. $21x + 5 = 12x - 22$
3. $8x + 13 = 4x + 1$
4. $15x - 2 = 17x - 4$
5. $20x - 5 = 2x + 4$
6. $8x - 2 = 3x + 17$
7. $6x + 7 = 3x - 12$
8. $80 - 4x = 3x + 31$
9. $12 - 6x = 14 - 3x$
10. $65 - 4x = 3x + 20$

Extension

Solve the following equations:

1. $5x + 9 = 2x - 3$
2. $16x - 2 = 5x + 9$
3. $70x + 7 = 60x - 3$
4. $32x + 3 = 45x + 3$
5. $4 - 3x = 9x + 28$
6. $15 - 2x = 3 - 5x$
7. $6 - 13x = 5 + 2x$
8. $3 + 7x = 9 - 5x$
9. $14x - 9 = 10x + 23$
10. $36x - 121 = 48x + 23$

Monday

Find the area **AND** perimeter of the following rectangles with given dimensions:

1. Length = 5m, breadth = 8m
2. Length = 24m, breadth = 10m
3. Length = 9.2m, breadth = 6m
4. Length = 8.24m breadth = 8m
5. A cuboid has $L = 5\text{cm}$, $B = 30\text{cm}$ and $H = 20\text{cm}$, calculate the volume.
6. A cuboid has $L = 21\text{cm}$, $B = 30\text{cm}$ and $H = 40\text{cm}$, calculate the volume.
7. A cuboid has a volume of $63,000\text{cm}^3$, convert this to litres.
8. A cuboid has a volume of $510,000\text{cm}^3$, convert this to litres.

Tuesday

Find the area **AND** perimeter of the following rectangles with given dimensions:

1. Length = 4m, breadth = 7m
2. Length = 19m, breadth = 100m
3. Length = 3.4m, breadth = 7m
4. Length = 6.19m breadth = 8m
5. A cuboid has $L = 4\text{cm}$, $B = 50\text{cm}$ and $H = 70\text{cm}$, calculate the volume.
6. A cuboid has $L = 43\text{cm}$, $B = 40\text{cm}$ and $H = 50\text{cm}$, calculate the volume.
7. A cuboid has a volume of $27,000\text{cm}^3$, convert this to litres.
8. A cuboid has a volume of $380,000\text{cm}^3$, convert this to litres.

Thursday

Find the area **AND** perimeter of the following rectangles with given dimensions:

1. Length = 3m, breadth = 8m
2. Length = 9m, breadth = 300m
3. Length = 8.9m, breadth = 8m
4. Length = 4.78m breadth = 4m
5. A cuboid has $L = 5\text{cm}$, $B = 70\text{cm}$ and $H = 50\text{cm}$, calculate the volume.
6. A cuboid has $L = 73\text{cm}$, $B = 40\text{cm}$ and $H = 80\text{cm}$, calculate the volume.
7. A cuboid has a volume of $76,000\text{cm}^3$, convert this to litres.
8. A cuboid has a volume of $180,000\text{cm}^3$, convert this to litres.

Extension

Find the area **AND** perimeter of the following rectangles with given dimensions:

1. Length = 7m, breadth = 9m
2. Length = 12m, breadth = 400m
3. Length = 7.9m, breadth = 9m
4. Length = 7.97m breadth = 8m
5. A cuboid has $L = 2\text{cm}$, $B = 40\text{cm}$ and $H = 30\text{cm}$, calculate the volume.
6. A cuboid has $L = 84\text{cm}$, $B = 70\text{cm}$ and $H = 30\text{cm}$, calculate the volume.
7. A cuboid has a volume of $49,000\text{cm}^3$, convert this to litres.
8. A cuboid has a volume of $890,000\text{cm}^3$, convert this to litres.

Monday

Solve the following equations:

1. $17q - 5 = 2q + 10$
2. $7s + 94 = 23s + 14$
3. $5a + 6 = 2a - 3$
4. $8h - 2 = 2h - 20$
5. $9t - 3 = 8t - 18$
6. $7y + 3 = 12y + 8$
7. $6h - 5 = 4h - 17$
8. $3c - 2 = 7c + 6$
9. $5x - 2 = x - 14$
10. $y + 2 = 5y + 18$

Tuesday

Solve the following equations:

1. $7x - 3 = 5x + 11$
2. $9m + 3 = 6m - 9$
3. $15p - 8 = 5p + 72$
4. $14y + 8 = 7y - 27$
5. $23k + 1 = 15k - 7$
6. $12w + 24 = 7w + 49$
7. $8x + 3 = x - 18$
8. $19k - 8 = k + 10$
9. $17x + 1 = 5x - 95$
10. $6x + 2 = 4x + 20$

Thursday

Solve the following equations:

1. $3x + 4 = 12 - x$
2. $4y + 1 = 13 + y$
3. $2z - 5 = 15 - 2z$
4. $5n - 1 = 15 + 3n$
5. $7t + 6 = 24 - 2t$
6. $8u - 7 = 20 + 5u$
7. $27x - 45 = 25x - 35$
8. $21y + 6 = 20y - 40$
9. $18m + 8 = 14m - 28$
10. $3q - 8 = 40 - q$

Extension

Solve the following equations:

1. $4j - 20 = j + 49$
2. $9 + 8x = 2x + 81$
3. $10y - 52 = 200 + y$
4. $p - 31 = 6p - 406$
5. $60 + 3q = 4q + 9$
6. $2w + 90 = 700 - 3w$
7. $300 - 8f = 3f + 3$
8. $60 - 2d = 6 + d$
9. $5 + k = 27 - k$
10. $100 + 2g = 10g - 4$

Monday

1. Find 10% of £580
2. Find 25% of £864
3. Find 6% of £1200
4. Find 45% of £320
5. Find $33\frac{1}{3}\%$ of £1449
6. Change 5.2m to cm
7. Change 67mm to cm
8. Simplify the ratio 14 : 35
9. The ratio of cats to dogs is 3 : 8. If there are 24 dogs, how many cats are there?
10. Solve $5t - 11 = 24$

Tuesday

1. Find 10% of £920
2. Find 25% of £1392
3. Find 6% of £500
4. Find 95% of £520
5. Find $66\frac{2}{3}\%$ of £459
6. Change 12.6m to cm
7. Change 85mm to cm
8. Simplify the ratio 56 : 49
9. The ratio of cats to dogs is 4 : 3. If there are 36 dogs, how many cats are there?
10. Solve $t - 46 = 38$

Thursday

1. Find 10% of £7300
2. Find 25% of £876
3. Find 6% of £6800
4. Find 45% of £180
5. Find $12\frac{1}{2}\%$ of £5480
6. Change 13.1m to cm
7. Change 324mm to cm
8. Simplify the ratio 30 : 45
9. The ratio of Wii games to X-Box games is 5 : 7. If there are 70 X-box games, how many Wii are there?
10. Solve $9t - 54 = 126$

Extension

1. Find 10% of £490
2. Find 25% of £1508
3. Find 6% of £5300
4. Find 45% of £640
5. Find $17\frac{1}{2}\%$ of £9840
6. Change 7.8m to cm
7. Change 302mm to cm
8. Simplify the ratio 48 : 60
9. The ratio of Wii games to X-Box games is 6 : 9. If there are 30 Wii games, how many X-Box are there?
10. Solve $11t - 16 = 72$

Monday

Solve the following equations:

1. $3x + 5 = 2x + 1$
2. $4x - 2 = 3x + 7$
3. $6x - 3 = 4x + 9$
4. $7x + 1 = 3x + 17$
5. $10x - 5 = 2x + 11$
6. $5x + 12 = 3x + 2$
7. $6x - 4 = x - 9$
8. $11x - 12 = 6x - 7$
9. $9x + 2 = 6x - 13$
10. $3x + 6 = x - 20$

Tuesday

Solve the following equations:

1. $4x + 6 = 2x + 10$
2. $5x - 3 = 3x + 9$
3. $7x - 2 = 4x + 16$
4. $6x + 1 = 3x + 22$
5. $12x - 5 = 2x + 15$
6. $8x + 12 = 4x + 8$
7. $6x - 5 = 2x - 9$
8. $13x - 1 = 11x - 7$
9. $7x + 2 = x - 16$
10. $3x - 6 = x - 18$

Thursday

Solve the following equations:

1. $7x + 2 = 9x - 10$
2. $5x - 3 = 7x + 11$
3. $4x + 6 = 7x - 9$
4. $8x - 2 = 14x + 16$
5. $5x + 7 = 8x - 14$
6. $9x - 13 = 11x - 3$
7. $4x - 11 = 8x - 3$
8. $15x - 7 = 18x + 2$
9. $10x + 17 = 15x - 3$
10. $12x + 11 = 14x + 23$

Extension

Solve the following equations:

1. $2 + 3x = 6 + x$
2. $9 + 2x = 12 - x$
3. $7 + x = 21 - 6x$
4. $8 + 5x = 2 + 3x$
5. $7 - 2x = 4x - 5$
6. $12 - 3x = 2x + 2$
7. $9 - 4x = 3 - 2x$
8. $11 + 2x = 3 - 2x$
9. $13 - 3x = 1 - x$
10. $17 + 5x = -3 - 5x$