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Exercise 1

- Round to 1 significant figure:
a. 7273 b. 2689 c. 12,944
- Round question 1 to 2 significant figures.
- Solve the following equations:
a. $4a = 16$
b. $12a = 60$
c. $a + 19 = 31$
d. $a - 15 = 46$
- Simplify the following expressions:
a. $s + s + s + s + s$
b. $r + r - r + 2r$
c. $u - u + 3u - 2u$

Exercise 2

- Round to 1 significant figure:
a. 8473 b. 189 c. 15,244
- Round question 1 to 2 significant figures.
- Solve the following equations:
a. $6a = 18$
b. $10a = 50$
c. $a + 15 = 65$
d. $a - 9 = 74$
- Simplify the following expressions:
a. $s + s + s + s + s + s + s$
b. $r - r - 2r + 6r$
c. $u - u - 4u - 2u$

Exercise 3

- Round to 1 significant figure:
a. 174 b. 4738 c. 10,944
- Round question 1 to 2 significant figures.
- Solve the following equations:
a. $7a = 35$
b. $11a = 88$
c. $a + 26 = 31$
d. $a - 45 = 86$
- Simplify the following expressions:
a. $s - s + s - s + s + s$
b. $r + r + r + r$
c. $u - 2u + 3u - 5u$

Exercise 4

- Round to 1 significant figure:
a. 973 b. 12.56 c. 99,111
- Round question 1 to 2 significant figures.
- Solve the following equations:
a. $12a = 144$
b. $11a = 121$
c. $a + 36 = 154$
d. $a - 37 = 85$
- Simplify the following expressions:
a. $s + s + s + s + s - s \times 3$
b. $r + r + r + 2r + 4r - 11r$
c. $4u + u + 6u - 5u - 8u$

Exercise 1

Simplify these expressions by collecting like terms:

1. $4a + 6b + 12a - 5b$
2. $2a + 42b + 13a + 30b$
3. $8b - 11a - 5b - 6a$
4. $6 + 7a - 4b + 2 - 2a + 11b$
5. $2a + a - 3b - 3b + 6a - 4b$
6. $5a + 3a^2 + a + 10a^2$
7. $5a^2 + b^2 + a^2 + 7b^2$
8. $9 + a + 4a^2 + 5 - 6a + 3a^2$
9. $-3a - b + 4 + 2a + b - 11 + a$
10. $5a - 22b - 30a + 8 + 15b - 4$

Exercise 2

Simplify these expressions by collecting like terms:

1. $11a + 3b - 4a + b$
2. $50a + 30b + 15a + 60b - 50$
3. $15b - 4a + 8b - 7a$
4. $11 + 2a + 7b + 1 - 4a + 8b$
5. $3a - 5a + 7b - 4b + a - 3b$
6. $a + 8a^2 - 12a - 6a^2$
7. $4a^2 - b^2 - 3a^2 + b^2$
8. $7 + 15a - 3a^2 + 1 - 12a + 15a^2$
9. $-2b - 6a - 5b - 1 + 11a + 7b - 3$
10. $5a - 3b - 15a + 4 + 23b + 3a - 11$

Exercise 3

Simplify these expressions by collecting like terms:

1. $3a + 4b + 10a + 2b$
2. $34a + 28b + 3a + 15b - a$
3. $13b - 2a - 12b + 12a$
4. $3 + 2a + 15 - 7a + 4b$
5. $5a + 10a - 8b - 3b - 4a - b$
6. $a + 6a^2 + 2a - 24a^2$
7. $7a^2 + 2b^2 - 9a^2 + 17b^2$
8. $6 - 4a - 5a^2 + 3 - 19a + 16a^2$
9. $-5b - 4a - 8b - 10 + 24a + 3b - 15$
10. $60a - 35b - 20a + 75 + 25b + 50a - 20$

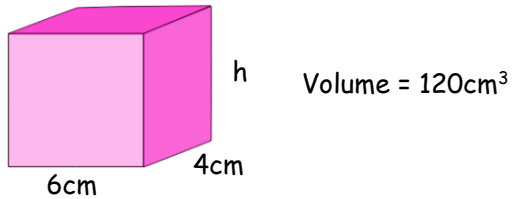
Exercise 4

Simplify these expressions by collecting like terms:

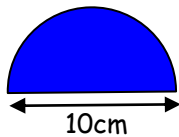
1. $8a + 9b + a - 4b + 5$
2. $13a + 7b - 8a + 2b$
3. $3b - 42a + 16b - 20a - 5$
4. $10 + 2a - 15b + 7 - 6a + 24b$
5. $5a + 12a - 7b - 2 + 3a + 14b$
6. $9a + 11a^2 + 5a - 10a^2$
7. $40a^2 + 50b^2 - 30a^2 - 60b^2$
8. $12 + 7a + 12a^2 - 8 - 30a + 10a^2$
9. $-7b - 3a - 7b - 34 + 62a + 2b - 18$
10. $35a - 5b - 70a + 50 + 10b + 17a - 70$

Exercise 1

- Solve $8t - 3 = 3t + 17$
- For the cuboid below, find the unknown height:



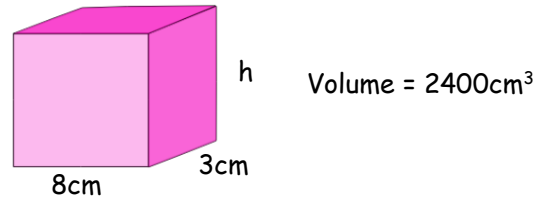
- Calculate the perimeter of this shape:



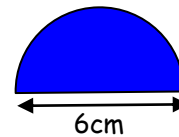
- Calculate the area of the shape above.
- Solve $3\frac{1}{3} + 4\frac{1}{2}$
- Multiply and collect $4(2m + 1) - 3(m - 2)$

Exercise 2

- Solve $9t - 2 = 2t + 40$
- For the cuboid below, find the unknown height:



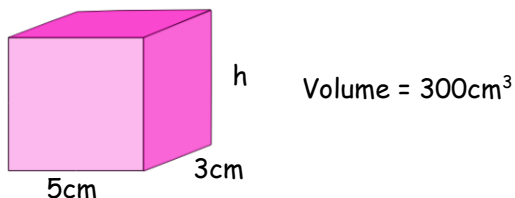
- Calculate the perimeter of this shape:



- Calculate the area of the shape above.
- Solve $5\frac{1}{4} + 3\frac{1}{3}$
- Multiply and collect $5(4m + 2) - 6(m - 3)$

Exercise 3

- Solve $10t - 5 = 2t + 67$
- For the cuboid below, find the unknown height:



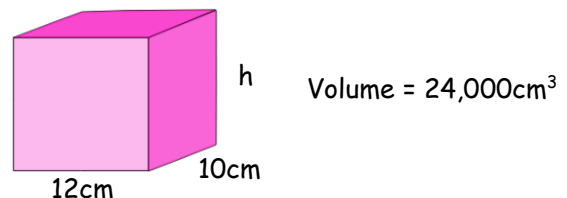
- Calculate the perimeter of this quarter circle:



- Calculate the area of the shape above.
- Solve $4\frac{2}{5} + 6\frac{1}{2}$
- Multiply and collect $7(m + 2) - 8(3m - 1)$

Exercise 4

- Solve $12t - 20 = 2t + 90$
- For the cuboid below, find the unknown height:



- Calculate the perimeter of this shape:



- Calculate the area of the shape above.
- Solve $6\frac{1}{8} + 5\frac{3}{4}$
- Multiply and collect $8(5m + 10) - 5(m - 6)$