

# St Ninian's High School

## S1 Daily Homework Booklet

### Aug to Oct



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Whole Numbers Revision  
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# Whole Numbers

## Exercise 1

Round the following numbers correct to the **nearest whole number**.

- 1) 15.32    2) 327.8    3) 59.52    4) 738.29    5) 826.192    6) 1234.5  
7) 987.65    8) 13.84    9) 7.532    10) 123.45    11) 43.34    12) 152.4  
13) 246.8    14) 38.25    15) 49.18    16) 99.08    17) 99.8    18) 1.234  
19) 0.82    20) 3842.7

Round the following numbers to the **nearest ten**.

- 21) 43    22) 53    23) 74    24) 79    25) 86    26) 35  
27) 48    28) 23    29) 123    30) 342    31) 346    32) 519  
33) 876    34) 753    35) 835    36) 93    37) 99    38) 222  
39) 666    40) 185

Round the following numbers to the **nearest hundred**.

- 41) 326    42) 732    43) 782    44) 150    45) 649    46) 531  
47) 282    48) 934    49) 981    50) 3246    51) 7813    52) 7884  
53) 8591    54) 6184    55) 8342    56) 2345    57) 3456    58) 23826  
59) 72173    60) 94382

Round the following numbers to the **nearest thousand**.

- 61) 8100                  62) 5820                  63) 2426                  64) 3529  
65) 23820                  66) 44400                  67) 55500                  68) 66770  
69) 12345                  70) 98765                  71) 19384                  72) 23824  
73) 61800                  74) 37342                  75) 39684                  76) 53412

1. Write down the answers to the following :-

a  $45 \times 10$

b  $22 \times 10$

c  $10 \times 76$

d  $10 \times 20$

e  $123 \times 10$

f  $802 \times 10$

g  $10 \times 1200$

h  $10 \times 1030$

2. Write down the answers to the following :-

a  $41 \times 100$

b  $99 \times 100$

c  $100 \times 231$

d  $100 \times 100$

e  $501 \times 100$

f  $100 \times 300$

g  $100 \times 2020$

h  $5000 \times 100$

3. Write down the answers to the following :-

a  $330 \div 10$

b  $560 \div 10$

c  $700 \div 10$

d  $3000 \div 10$

e  $8000 \div 10$

f  $5500 \div 10$

g  $10\ 000 \div 10$

h  $140\ 500 \div 10$

4. Write down the answers to the following :-

a  $200 \div 100$

b  $1600 \div 100$

c  $8000 \div 100$

d  $24\ 000 \div 100$

e  $10\ 000 \div 100$

f  $20\ 100 \div 100$

g  $300\ 000 \div 100$

h  $5\ 000\ 000 \div 100$

**REMEMBER: BRACKETS *first* - MULTIPLY OR DIVIDE *next* - ADD OR SUBTRACT *last***

1. Find, showing two more steps each time :-

(the first one has been done for you)

a  $(4 + 2) \times 3$

$$\begin{aligned}(4 + 2) \times 3 \\ = 6 \times 3 \\ = 18\end{aligned}$$

b  $5 \times (3 + 2)$

c  $(12 + 5) \times 2$

d  $(4 + 2) \times 13$

e  $(12 - 5) \times 2$

f  $(34 - 16) \times 4$

g  $(26 - 13) \times 5$

h  $9 \times (58 - 41)$

i  $(32 + 24) \div 7$

### Exercise 3

Show all your working for this exercise.

1. Copy the following and find the answers :-

(a)  $\begin{array}{r} 468 \\ + 222 \\ \hline \end{array}$

(b)  $\begin{array}{r} 678 \\ + 396 \\ \hline \end{array}$

(c)  $\begin{array}{r} 499 \\ - 368 \\ \hline \end{array}$

(d)  $\begin{array}{r} 777 \\ + 333 \\ \hline \end{array}$

(e)  $\begin{array}{r} 904 \\ - 717 \\ \hline \end{array}$

(f)  $\begin{array}{r} 8008 \\ + 1764 \\ \hline \end{array}$

(g)  $\begin{array}{r} 2345 \\ + 7656 \\ \hline \end{array}$

(h)  $\begin{array}{r} 5004 \\ - 4295 \\ \hline \end{array}$

## Exercise 6

1. Copy the following and complete the calculations :-

(a) 
$$\begin{array}{r} 27 \\ \times 3 \\ \hline \end{array}$$

(b) 
$$\begin{array}{r} 34 \\ \times 4 \\ \hline \end{array}$$

(c) 
$$\begin{array}{r} 71 \\ \times 6 \\ \hline \end{array}$$

(d) 
$$\begin{array}{r} 55 \\ \times 5 \\ \hline \end{array}$$

(e) 
$$\begin{array}{r} 132 \\ \times 7 \\ \hline \end{array}$$

(f) 
$$\begin{array}{r} 308 \\ \times 6 \\ \hline \end{array}$$

(g) 
$$\begin{array}{r} 367 \\ \times 4 \\ \hline \end{array}$$

(h) 
$$\begin{array}{r} 238 \\ \times 9 \\ \hline \end{array}$$

2. Rewrite each of these in the above form and complete the calculations :-

(a)  $35 \times 6$

(b)  $93 \times 5$

(c)  $8 \times 43$

(d)  $78 \times 7$

(e)  $9 \times 406$

(f)  $8 \times 333$

(g)  $9231 \times 9$

(h)  $4 \times 4444$

3. Show all working :- (a) How many minutes are there in eight hours ?

(b) How many hours are in a week ?

(c) Find :- (i)  $3 \times 72 \times 4$       (ii)  $5 \times 621 \times 7$

## Exercise 7

1. Copy the following and complete each calculation :-



(a)  $7 \sqrt{63}$

(b)  $5 \sqrt{735}$

(c)  $8 \sqrt{440}$

(d)  $9 \sqrt{5571}$

2. Set the following down in the same way as above and complete each calculation :-

(a)  $64 \div 4$

(b)  $378 \div 2$

(c)  $824 \div 4$

(d)  $364 \div 7$

(e)  $2664 \div 6$

(f)  $2875 \div 5$

(g)  $\frac{8204}{4}$

(h)  $\frac{7578}{9}$

3. Show all your working in solving the following :-

(a) A box can hold 8 teddy bears.

How many boxes are needed for 248 teddies ?

(b) A spoonful of medicine holds 5 millilitres.

How many spoonfuls would you need for 275 millilitres ?



# Power and Roots

1. Do not use a calculator in this question. Copy and complete the following :-

a  $4^2 = 4 \times 4 = \dots$

d  $2^2 = \dots \times \dots = \dots$

g  $(-1)^2 = \dots$

j  $5^3 = 5 \times 5 \times 5 = \dots$

b  $7^2 = 7 \times 7 = \dots$

e  $3^2 = \dots$

h  $(-8)^2 = \dots$

k  $(-1)^3 = \dots$

c  $10^2 = 10 \times \dots = \dots$

f  $1^2 = \dots$

i  $(\frac{1}{2})^2 = \dots$

l  $(-2)^4 = \dots$

2. You can use a calculator this time. Find the value of :-

a  $14^2$

b  $19^2$

c  $33^2$

d  $25^2$

e  $8^3$

f  $12^3$

g  $(-7)^3$

h  $(\frac{1}{2})^4$

## Exercise 2

### Square Roots and Cubes

1. Copy each line and complete without a calculator :-

a  $\sqrt{16}$

b  $\sqrt{36}$

c  $\sqrt{100}$

d  $\sqrt{1}$

e  $\sqrt{64}$

f  $\sqrt{4}$

g  $\sqrt{25}$

h  $\sqrt{400}$

2. Write down the answer to each of the following :-

a  $\sqrt{2500}$

b  $\sqrt{10000}$

c  $\sqrt{49000000}$

d  $\sqrt{810000}$

# Factors/Multiples/Primes

## Exercise 1

### Multiples & Lowest Common Multiples (l.c.m.)



1. a Write down all the multiples of 4 between 30 and 50.  
b Write down all the multiples of 7 between 30 and 65.
2. a List the first ten multiples of 3 and the first 10 multiples of 4.  
b List the common multiples of 3 and 4.  
c What is the l.c.m. of 3 and 4 ?
3. Find the l.c.m. of each of the following pairs of numbers :-

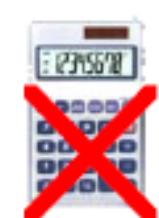
a 2 and 3	b 8 and 6	c 3 and 7	d 5 and 8
e 10 and 12	f 3 and 11	g 8 and 9	h 6 and 9.
4. Find the l.c.m. of :- a 2, 3 and 4      b 3, 5 and 9      c 2, 7 and 9.
5. 3 disco lights are set off at the same time and then flash at different intervals :-
  - the blue light flashes every 5 seconds.
  - the green light flashes every 6 seconds.
  - the red light flashes every 8 seconds.



After they flash at the start, how long will it be until they flash together again ?

## Exercise 2

### Factors & Highest Common Factor (h.c.f.)



1. Find all the factors of :- a 10      b 18      c 23  
d 24      e 72      f 100.
2. a List all the factors of 18 and all the factors of 24.  
b Make a list of the common factors of 18 and 24. (those that appear in both lists).  
c What is the highest common factor (or h.c.f.) of 18 and 24.
3. Find the highest common factor (h.c.f.) for each of the following :-

a 12 and 15	b 28 and 35	c 24 and 96
d 37 and 41	e 100 and 105	f 199 and 200.
4. Find the h.c.f. of :- a 12, 15, 21      b 24, 36, 40.
5. Write down all the factors of 360.

### Exercise 3 Prime Numbers



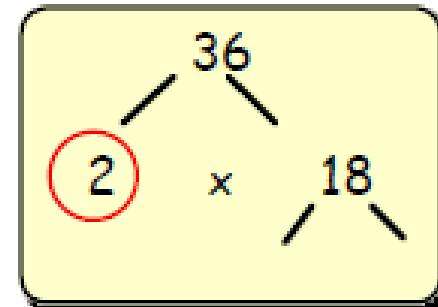
1. a Write all the factors of 15. Why is 15 **not** a prime number ?  
b Explain why the number 1 is **not** a prime number.  
c Explain why 13 is a prime number.
2. State whether each number below is a **prime** number or not. (Write **yes** or **no**) :-  

a 5	b 16	c 15	d 17
e 23	f 27	g 29	h 35
i 44	j 47	k 51	l 62.
3. How many **even** numbers are **prime** ?
4. Write down all the prime numbers between 50 and 60.

### Exercise 4 Prime Decomposition



1. Copy and complete the prime factor tree shown.



$$36 = 2 \times \dots \times \dots$$

2. Use a similar method to find the prime decomposition of the following numbers :-  

a 12	b 50	c 27	d 80
e 56	f 88	g 35	h 110
i 155	j 345	k 1000	l 256.

# Decimals

## Exercise 1

Round the following numbers correct to **1 decimal place**.

- 1) 8·43    2) 5·76    3) 2·39    4) 5·24    5) 3·18    6) 12·49  
7) 11·02    8) 11·05    9) 23·81    10) 72·46    11) 93·55    12) 82·43  
13) 7·98    14) 8·329    15) 6·483    16) 9·876    17) 12·345    18) 135·69

Round the following numbers correct to **2 decimal places**.

- 19) 5·382    20) 2·846    21) 9·305    22) 9·304    23) 7·826  
24) 8·537    25) 6·692    26) 6·698    27) 13·492    28) 15·328  
29) 43·135    30) 9·876    31) 12·345    32) 23·456    33) 33·333  
34) 5·555    35) 3·8028    36) 472·3192

## Exercise 2 - Add

- |     |               |     |               |     |               |
|-----|---------------|-----|---------------|-----|---------------|
| 1)  | 1·14          | 2)  | 4·03          | 3)  | 6·14          |
|     | <u>+ 2·30</u> |     | <u>+ 5·81</u> |     | <u>+ 2·35</u> |
|     | .             |     | .             |     | .             |
| 4)  | 4·31          | 5)  | 2·25          | 6)  | 7·36          |
|     | <u>+ 4·58</u> |     | <u>+ 3·46</u> |     | <u>+ 1·37</u> |
|     | .             |     | .             |     | .             |
| 7)  | 4·72          | 8)  | 4·81          | 9)  | 6·24          |
|     | <u>+ 2·83</u> |     | <u>+ 3·45</u> |     | <u>+ 3·88</u> |
|     | .             |     | .             |     | .             |
| 10) | 3·86          | 11) | 7·99          | 12) | 6·87          |
|     | <u>+ 5·79</u> |     | <u>+ 1·77</u> |     | <u>+ 2·78</u> |
|     | .             |     | .             |     | .             |
| 13) | 7·83          | 14) | 8·47          | 15) | 9·86          |
|     | <u>+ 5·92</u> |     | <u>+ 6·54</u> |     | <u>+ 6·97</u> |

## Exercise 5 - Subtract

$$1) \quad 27.58$$

$$\underline{- 13.27}$$

.

$$4) \quad 29.56$$

$$\underline{- 3.16}$$

.

$$7) \quad 82.73$$

$$\underline{- 0.22}$$

.

$$10) \quad 99.19$$

$$\underline{- 18.19}$$

.

$$13) \quad 38.67$$

$$\underline{- 5.06}$$

.

$$2) \quad 38.69$$

$$\underline{- 10.18}$$

.

$$5) \quad 75.59$$

$$\underline{- 23.28}$$

.

$$8) \quad 55.79$$

$$\underline{- 23.01}$$

.

$$11) \quad 75.46$$

$$\underline{- 12.12}$$

.

$$14) \quad 28.46$$

$$\underline{- 12.58}$$

.

$$3) \quad 42.22$$

$$\underline{- 1.02}$$

.

$$6) \quad 68.88$$

$$\underline{- 2.06}$$

.

$$9) \quad 82.38$$

$$\underline{- 0.11}$$

.

$$12) \quad 38.67$$

$$\underline{- 18.17}$$

.

## Exercise 7 - Multiply

$$1) \quad 16.3 \times 6$$

$$2) \quad 29.4 \times 7$$

$$3) \quad 38.6 \times 2$$

$$4) \quad 29.3 \times 4$$

$$5) \quad 51.6 \times 2$$

$$6) \quad 29.7 \times 3$$

$$7) \quad 23.8 \times 9$$

$$8) \quad 14.81 \times 5$$

$$9) \quad 29.31 \times 3$$

$$10) \quad 93.37 \times 7$$

$$11) \quad 18.81 \times 5$$

$$12) \quad 38.72 \times 4$$

$$13) \quad 29.9 \times 6$$

$$14) \quad 17.81 \times 8$$

$$15) \quad 14.93 \times 9$$

$$16) \quad 83.8 \times 8$$

$$17) \quad 56.92 \times 4$$

$$18) \quad 73.24 \times 5$$

$$19) \quad 9.49 \times 9$$

$$20) \quad 92.01 \times 7$$

$$21) \quad 15 \times 8$$

$$22) \quad 7.42 \times 6$$

$$23) \quad 28.39 \times 5$$

$$24) \quad 60.02 \times 9^{15}$$

## Exercise 8 - Multiply

- |                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| 1) $4\cdot2 \times 10$      | 2) $7\cdot3 \times 10$      | 3) $2\cdot8 \times 10$      |
| 4) $14\cdot3 \times 10$     | 5) $17\cdot28 \times 10$    | 6) $18\cdot29 \times 10$    |
| 7) $38\cdot35 \times 10$    | 8) $42\cdot02 \times 10$    | 9) $3\cdot1 \times 100$     |
| 10) $6\cdot7 \times 100$    | 11) $4\cdot3 \times 100$    | 12) $7\cdot9 \times 100$    |
| 13) $42\cdot81 \times 100$  | 14) $39\cdot91 \times 100$  | 15) $99\cdot81 \times 100$  |
| 16) $4\cdot3 \times 1000$   | 17) $6\cdot2 \times 1000$   | 18) $13\cdot3 \times 1000$  |
| 19) $19\cdot9 \times 1000$  | 20) $19\cdot91 \times 1000$ | 21) $14\cdot03 \times 100$  |
| 22) $39\cdot73 \times 1000$ | 23) $47\cdot83 \times 1000$ | 24) $57\cdot19 \times 1000$ |
| 25) $6\cdot7 \times 6$      | 26) $12\cdot5 \times 7$     | 27) $93\cdot4 \times 8$     |
| 28) $82\cdot5 \times 9$     | 29) $43\cdot8 \times 2$     | 30) $56\cdot7 \times 3$     |
| 31) $2\cdot47 \times 4$     | 32) $7\cdot38 \times 5$     | 33) $9\cdot42 \times 6$     |
| 34) $72\cdot8 \times 7$     | 35) $83\cdot2 \times 8$     | 36) $24\cdot67 \times 9$    |
| 37) $73\cdot24 \times 2$    | 38) $88\cdot56 \times 8$    | 39) $60\cdot02 \times 6$    |

## Exercise 9 - Divide

$1) 57 \div 10$

$2) 6.2 \div 10$

$3) 13.4 \div 10$

$4) 28.6 \div 10$

$5) 38.24 \div 10$

$6) 17.83 \div 10$

$7) 210.5 \div 10$

$8) 57.5 \div 100$

$9) 203.2 \div 100$

$10) 2432.3 \div 100$

$11) 1325.8 \div 100$

$12) 672.3 \div 100$

$13) 5325.6 \div 100$

$14) 1769.73 \div 100$

$15) 2693.64 \div 1000$

$16) 1775.6 \div 1000$

$17) 2935.67 \div 1000$

$18) 1956.21 \div 1000$

$19) 1234.5 \div 1000$

$20) 7324.6 \div 1000$

## Exercise 11 – Problem Solving

- 1) Two tables are placed together to form a larger one. If the first table is 67·4 cm long and the second table is 56·8 cm long, what is the total length?
- 2) A piece of wood is 37·4 cm long. If 12·7 cm is cut off from one end what length remains?
- 3) A child places 5 toy bricks of length 14·6 cm in a straight line. What is the total length?
- 4) A piece of ribbon 114·8 cm long is shared equally among 7 girls. What length should each girl receive?
- 5) Three boxes weigh 4·6 kg, 7·9 kg and 18·2 kg. What is the total weight?
- 6) A bottle of Coca-Cola holds 2 litres. What volume remains after a glass of 0·35 litres has been removed?
- 7) What length of shelf is needed to hold books with thicknesses of 6·3 cm, 7·4 cm, 1·8 cm, 2·8 cm and 4·9 cm?
- 8) Billy does 10 press ups in 26·8 seconds. How long does he take for each press up?
- 9) Six spoonfuls of medicine each holding 5·1 ml are removed from a bottle containing 50 ml. How much medicine is left in the bottle?

# Integers

1. Complete the following calculations :-

a  $-6 - 0 =$

b  $-7 - 8 =$

c  $2 - (-6) =$

d  $-8 - (-8) =$

e  $9 - (-6) =$

f  $-2 - (-6) =$

g  $7 - (-3) =$

h  $-9 - (-9) =$

i  $-6 + (-8) =$

j  $-3 - (-7) =$

k  $0 + (-2) =$

l  $-3 + 6 =$

m  $-4 + (-8) =$

n  $3 - (-1) =$

o  $-5 - (-8) =$

p  $3 - (-5) =$

q  $9 - (-2) =$

r  $-4 + (-12) =$

s  $15 + (-6) =$

t  $-30 - 4 =$

2. Complete the following calculations :-

a  $-94 - (73) =$

b  $-65 + (-41) =$

c  $-10 - (-12) =$

d  $2 + (-78) =$

e  $33 - (-53) =$

f  $-61 + 92 =$

1. Find :-

- |                   |                    |                    |                     |
|-------------------|--------------------|--------------------|---------------------|
| a $3 \times (-2)$ | b $8 \times (-1)$  | c $12 \times (-5)$ | d $10 \times (-30)$ |
| e $(-3) \times 4$ | f $(-1) \times 6$  | g $(-8) \times 7$  | h $(-11) \times 4$  |
| i $(-9) \div 3$   | j $(-121) \div 11$ | k $72 \div (-9)$   | l $243 \div (-3)$ . |

2. Find :-

- |                      |                      |                      |                        |
|----------------------|----------------------|----------------------|------------------------|
| a $(-4) \times (-2)$ | b $(-3) \times (-4)$ | c $(-7) \times (-9)$ | d $(-11) \times (-12)$ |
| e $15 \div (-5)$     | f $(-30) \div (-5)$  | g $(-40) \div (-8)$  | h $(-243) \div (-3)$ . |

3 Copy and complete :-

- |                   |                   |                   |                     |
|-------------------|-------------------|-------------------|---------------------|
| a $3 \times (-2)$ | b $5 \times (-4)$ | c $3 \times (-7)$ | d $(-7) \times 2$   |
| e $(-4) \times 3$ | f $(-5) \times 3$ | g $(-5) \times 5$ | h $(-8) \times 7$   |
| i $7 \times (-5)$ | j $(-7) \times 5$ | k $(-6) \times 9$ | l $(-9) \times 6$ . |

4 Copy and find :-

- |                  |                  |                   |                      |
|------------------|------------------|-------------------|----------------------|
| a $(-6) \div 2$  | b $(-4) \div 2$  | c $(-35) \div 7$  | d $(-16) \div 4$     |
| e $(-40) \div 5$ | f $(-51) \div 3$ | g $(-55) \div 5$  | h $(-56) \div 7$     |
| i $(-70) \div 5$ | j $(-74) \div 2$ | k $(-108) \div 9$ | l $(-290) \div 10$ . |

# Algebra

# Simplifying & Breaking Brackets

## Exercise 1

Simplify the following

$$1) \ 3a + 4a + 5a$$

$$2) \ 4b + 3b + 2b$$

$$3) \ 5c + 2c + c$$

$$4) \ d + 3d + 7d$$

$$5) \ 6e + 3e - 7e$$

$$6) \ 3f + 8f + (-9f)$$

$$7) \ 4x + 5x - 7x$$

$$8) \ 8y - 3y - y$$

$$9) \ 7z + 8z - 9z - 5z$$

$$10) \ 3x - x + 4x - x$$

$$11) \ 7y + y - 5y - y$$

$$12) \ z + 6z + 2z - 9z$$

$$13) \ 2a + 4b + 5a + 2b$$

$$14) \ 6x + 3y + 3x + 4y$$

$$15) \ 8m + 6n - 2m + 3n$$

$$16) \ 8a + 3b + a - b$$

$$17) \ 5x + 4y - 2x - y$$

$$18) \ 6p + q - 5p + 2q$$

$$19) \ 7y + 2z - 6y + z$$

$$20) \ s + 7t + 4s - 3t$$

Remove the brackets and simplify as far as possible.

$$1) \quad 2(3x + 4)$$

$$2) \quad 4(2x + 3)$$

$$3) \quad 5(4x - 3)$$

$$4) \quad 4(5 + y)$$

$$5) \quad 2(5 + 3y)$$

$$6) \quad 4(2 - y)$$

$$7) \quad 6(2m + n)$$

$$8) \quad 2(p - 4q)$$

$$9) \quad 3(b - 5a)$$

$$10) \quad 2(y + 2z)$$

$$11) \quad 2(3r - 2s)$$

$$12) \quad 3(2p - 3q)$$

$$13) \quad 3(7s + u)$$

$$14) \quad 4(2a - 3b)$$

$$15) \quad 2(6n - 15m)$$

$$16) \quad 2(t - 2s)$$

$$17) \quad 5(y - x)$$

$$18) \quad 3(5f - 2e)$$

$$19) \quad 6(m + 2n)$$

$$20) \quad 8(3m + 5k)$$

$$21) \quad 5(a + 7b)$$

$$22) \quad 3(q - 4p)$$

$$23) \quad 4(2b - 5c)$$

$$24) \quad 2(4z - 10y)$$

## Exercise 1

Find the value of the following expressions when  $x = 4$ ,  $y = 2$  and  $z = 3$ .

- |                    |                    |                    |
|--------------------|--------------------|--------------------|
| 1) $2x + y$        | 2) $3y + 2z$       | 3) $5x + z$        |
| 4) $x + 3z$        | 5) $x + y + z$     | 6) $x + 3y + 2z$   |
| 7) $5x - 3y$       | 8) $6y - 2z$       | 9) $3x - 6y$       |
| 10) $6x - 8z$      | 11) $x + y - z$    | 12) $x + 3y - 2z$  |
| 13) $2x + 5y - 4z$ | 14) $3x - y - z$   | 15) $4y + z - 2x$  |
| 16) $y + z - x$    | 17) $4x + y - 6z$  | 18) $5z - 5y - x$  |
| 19) $z - y + x$    | 20) $8z - 4y - 2x$ | 21) $2x + 3y - 4z$ |

## Exercise 2

Find the value when  $a = 3$ ,  $b = 2$  and  $c = 5$ .

- |                |                 |                 |
|----------------|-----------------|-----------------|
| 1) $2ac$       | 2) $3bc$        | 3) $4ab$        |
| 4) $abc$       | 5) $3abc$       | 6) $3ab + 2bc$  |
| 7) $4bc + 2ab$ | 8) $2ab - bc$   | 9) $4ac - 2bc$  |
| 10) $3ab + ac$ | 11) $4a + bc$   | 12) $5b - 3a$   |
| 13) $5a - 3c$  | 14) $3ab + 4bc$ | 15) $6bc - 3ab$ |
| 16) $3ac + b$  | 17) $a + 5ac$   | 18) $abc - 6b$  |