1

= 4 = 5

Use the given facts to work out the calculations.

a) + +

b) + −

c) + + + +

2

= 12 = 5

Use the given facts to work out the calculations.

a) −

b) ×

c) Create your own calculation that will be equal to 22

3 If $x = 5$, write the values of the expressions in the corresponding grid.

The first one has been done for you.

$3x$	x^2	$2x - 5$
$4x + 2$	$\frac{x}{2}$	$2(x + 1)$
$7x$	$x + 9$	$x - 7$

15		

4 If $a = 10$ and $b = 6$, work out the values of the expressions.

a) $a + b$

b) $a - b$

c) $2a$

d) $2a + b$

e) $3a - 17$

f) $2(a - b)$

5 If $m = \frac{4}{5}$ and $k = 0.1$, work out the value of $m + 2k$

6

It does not matter what p and q are, $p + q$ and $q + p$ will always give the same answer.

Do you agree with Mo?

Explain your answer.

7

$m = 7$ $n = 5$

Write >, < or = to compare the expressions.

a) $2m$ ◯ 10

b) $n - 1$ ◯ 5

c) $2n + m$ ◯ $2m + n$

d) $7n$ ◯ $5m$

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c) $2n + m$ ◯ $2m + n$

d) $7n$ ◯ $5m$

8 $a = 10$

Write the expressions in order, starting with the smallest value.

$5a$ $\quad$ $a + 5$ $\quad$ $\frac{a}{5}$ $\quad$ a^2

9 $a = 15$

Write three different algebraic expressions that give a value of 40

10 Complete the table.

x	$5x$	$5x - 1$
2		
10		
12		
	25	
		34
		99