



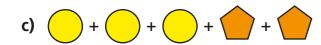
1



Use the given facts to work out the calculations.







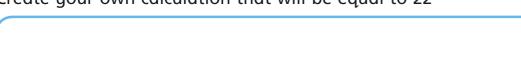




Use the given facts to work out the calculations.



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



If x = 5, write the values of the expressions in the corresponding grid. The first one has been done for you.

| 3 <i>x</i> | x ² | 2 <i>x</i> – 5 |
|----------------|----------------|------------------|
| 4 <i>x</i> + 2 | <u>x</u> 2 | 2(<i>x</i> + 1) |
| 7 <i>x</i> | <i>x</i> + 9 | <i>x</i> – 7 |

| 15 | |
|----|--|
| | |
| | |

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

a)
$$a + b =$$

d)
$$2a + b =$$

b)
$$a - b =$$

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.

b)
$$n-1$$
 $($ $)$ 5

c)
$$2n + m$$
 $2m + r$

d)
$$7n \bigcirc 5m$$

8

$$a = 10$$

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

$$\frac{a}{5}$$

$$a^{2}$$

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9

$$a = 15$$

Write three different algebraic expressions that give a value of 40

10 Complete the table.

| x | 5 <i>x</i> | 5 <i>x</i> – 1 |
|----|------------|----------------|
| 2 | | |
| 10 | | |
| 12 | | |
| | 25 | |
| | | 34 |
| | | 99 |







1



Use the given facts to work out the calculations.











Use the given facts to work out the calculations.





13

23

60

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

e.g.
$$\triangle + \Box + \Box$$

If x = 5, write the values of the expressions in the corresponding grid. The first one has been done for you.

| 3 <i>x</i> | x² | 2 <i>x</i> – 5 |
|----------------|---------------|----------------|
| 4 <i>x</i> + 2 | $\frac{x}{2}$ | 2(x+1) |
| 7 x | <i>x</i> + 9 | x-7 |

| 15 | 25 | 5 |
|----|----|----|
| 22 | 8 | 12 |
| 35 | Ц | -2 |

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

a)
$$a + b = 6$$

d)
$$2a + b =$$
 26

b)
$$a - b = 4$$

c)
$$2a = \boxed{20}$$

f)
$$2(a-b) = 8$$

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







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? <u>Yes</u> Explain your answer.

| Addition is commutative | | | |
|--|--------------------------------|---------|--|
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$$m = 7$$
 $n = 5$

Write >, < or = to compare the expressions.

b)
$$n-1$$
 () 5

c)
$$2n + m$$
 $2m + n$

d)
$$7n = 5m$$

8

$$a = 10$$

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

$$\frac{a}{5}$$

$$a^{\mathsf{2}}$$



$$a = 15$$

Write three different algebraic expressions that give a value of 40 e.g.

10 Complete the table.

| x | 5 <i>x</i> | 5 <i>x</i> – 1 |
|----|------------|----------------|
| 2 | 10 | 9 |
| 10 | <i>5</i> 0 | 49 |
| 12 | 60 | 59 |
| 5 | 25 | 24 |
| 7 | 35 | 34 |
| 20 | (00 | 99 |

