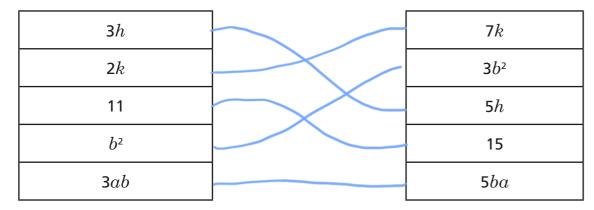
Understand the meaning of like and unlike terms



Match the like terms.



Tick to show whether the terms are like or unlike.

	Like terms	Unlike term
a) 3y and 5y		
b) 5 c and 5 d		
c) $3e$ and $3e^2$		
d) h and 246 h		
e) 246 and 246 h		
f) a^2 and b^2		
g) $5a^2$ and a^2		

a) Circle the terms that are like $7xy$.
3x $4y$ $2xy$ $5yx$
b) Circle the terms that are like h^2 .
$5h$ $3h^2$ h^3 $-5h^2$
c) Circle the terms that are like $2p$.
$\boxed{\frac{1}{2}p} \qquad 11 \qquad \boxed{0.957p}$
Dora has these expression cards.
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
These are like terms because they all contain just the letter x .
What mistake has Dora made?
She happit looked at the powers.

- 5 Write five different like terms for each term.
 - **a)** 4*c*

e.g. 2c, -9c, 107c, \(\frac{1}{2}\)c, 0.75c

b) -*g*

e.g. 16g, 3g, -100g, $\frac{9}{2}$, 0.4g

c) $\frac{2}{5}a^2$

e.g. a^2 , $-a^2$, $7a^2$, $0.97a^2$, $1000a^2$

Compare answers with a partner.

How did you find like terms?

What was important? What was not important?

6 Explain why these terms are like and unlike.

Like terms
14 h and 15 h
6 and –5
18 p and –8 p
$c^{\scriptscriptstyle 2}$ and 20 $c^{\scriptscriptstyle 2}$
7 ab and ba

Unlike terms
14 h and 15 g
6 <i>x</i> and –5
–18 p and –8
c and 20 $c^{\scriptscriptstyle 2}$
7 ab and 7 a

Same variable and

variable or not the same powers.

7 Sort the expressions into sets of like terms.

Find as many sets as possible.

5

5*y*

-5

-5*y*

-15

 $-5y^2$

 y^2

15

15*y*

1.5p

у

5*y*²

p

-5p

5*py*



same variables (p and r)

b) Are 6, 11.4, $\frac{3}{5}$ and π like terms? US Explain your answer.

They are all numbers (no variable)