## Year 6

## Properties of Shape

## Name

$\qquad$
(1) Sort the angles into the table.


| Reflex | Acute | Right angle | Obtuse |
| :---: | :---: | :---: | :---: |
| $A$ | $C$ | $B$ | $D$ |

(2) Measure the size of angle $A$.


Is your answer sensible? Explain why. Yes because it is an obtuse angle.
(3) How many degrees does the minute hand move in 15 minutes?


4) Match the 3D shapes to their net. I mark for two correct.


Calculate the missing angle in the triangle.


What type of triangle is this?
(6) Calculate the size of angle t.


$$
t=\quad 63^{\circ}
$$



7 On the grid, draw a hexagon that has more than 3 right-angles.


8 Calculate the missing angles in the triangle.


$$
\begin{aligned}
& a=\frac{49^{\circ}}{7^{\circ}} \\
& b=\frac{79^{\circ}}{}
\end{aligned}
$$

9 The diagram shows a square and an equilateral triangle.


Calculate the size of angle w.

I mark each for $90^{\circ}$ and $60^{\circ}$

$$
w=
$$

$\qquad$


3 marks
10 Using a ruler and protractor, draw the triangle accurately. One line has been drawn for you.


I mark for each correctly measured angle.


Circle how confident you feel with properties of shape.


| 1 | 2 | 3 | 4 | 5 <br> Not <br> confident |
| :---: | :---: | :---: | :---: | :---: |

