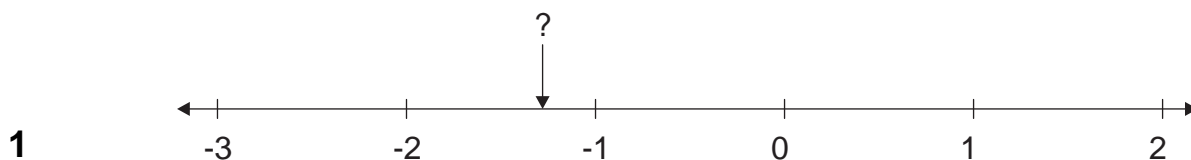


# YEAR 7 NUMERACY – SET 7 (mixed)

Answer these questions – it's okay to use a calculator when you need to.

Name ..... Date .....



The value of the number that the vertical arrow is pointing to on this number line is closest to

- 1.3       -0.7       -2.7       -1.3

2

Jack ate 11 jelly beans out of a full packet and then shared what was left among 6 of his friends. If each of his friends got 7 jelly beans, how many did the packet contain when it was full?

jelly beans

3

What number will make this number sentence true?

$5\frac{3}{4} + 3.46 = 10 - \text{[ ]}$

4

The thickness of a hard-cover book depends on the number of pages it has. This table shows the thickness (in mm) of some hard-cover books.

Pages	200	300	400	500	800
Thickness (in mm)	27	31	35	39	?

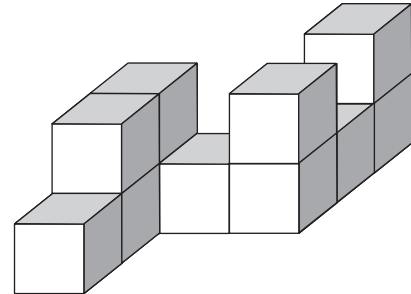
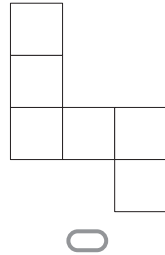
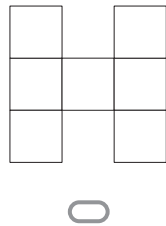
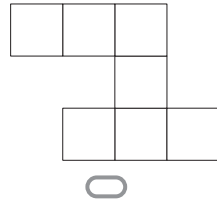
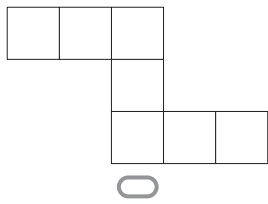
How thick (in mm) will a hard-cover book with 800 pages be?

- 43       51       70       81

## YEAR 7 NUMERACY – SET 7 (mixed)

Which one of these could be a top view of the 3D object shown here?

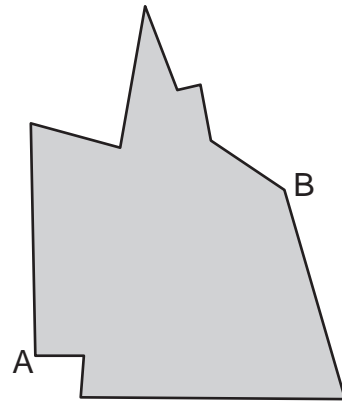
5



6

This is the logo of a Queensland company.  
It will have a line drawn straight from point A to point B.

- This will divide the logo into
- a hexagon and an octagon.
  - a pentagon and a heptagon.
  - a pentagon and an octagon.
  - a quadrilateral and a nonagon.



7

The Holiday Pet Hotel will look after your cat for \$17 per night.  
It costs \$24 per night to look after a dog.  
The Nash family left their pets at the pet hotel for two nights and this cost them \$150.  
The Nash family pets are

- |                       |                          |                           |                           |
|-----------------------|--------------------------|---------------------------|---------------------------|
| <b>5 cats.</b>        | <b>3 cats and a dog.</b> | <b>2 cats and 2 dogs.</b> | <b>6 cats and 2 dogs.</b> |
| <input type="radio"/> | <input type="radio"/>    | <input type="radio"/>     | <input type="radio"/>     |

8

On a street map, 5 cm represents 1 km.  
The map is divided into squares, each of which represents 250m × 250m.  
How long are the sides of the squares on the map?

- |                       |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>1 cm</b>           | <b>1.25 cm</b>        | <b>2 cm</b>           | <b>2.5 cm</b>         |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |