

Year 7 – Set Four

Name Date

Answer these questions without using a calculator.

1

After running one quarter of a race, Wally had to slow down.
He ran another one fifth of it, and then he had to walk the rest of the way.
What fraction of the race did Wally have to walk?

- $\frac{2}{9}$ $\frac{7}{9}$ $\frac{9}{20}$ $\frac{11}{20}$

2

A plane flight leaves Cairns at 9:25 am and arrives in Hobart at 7:10 pm.
How long does this flight take? (It is winter and there is no daylight saving.)

- 9 hours and 15 minutes
 9 hours and 45 minutes
 10 hours and 15 minutes
 10 hours and 45 minutes

3

A cake shop makes about 80 cents profit on each small cake
and about \$4.15 on each big cake. The shop sells 47 big cakes and 204 small cakes.

What is the **best estimate** of how much profit the shop makes?

- \$350 \$380 \$400 \$430

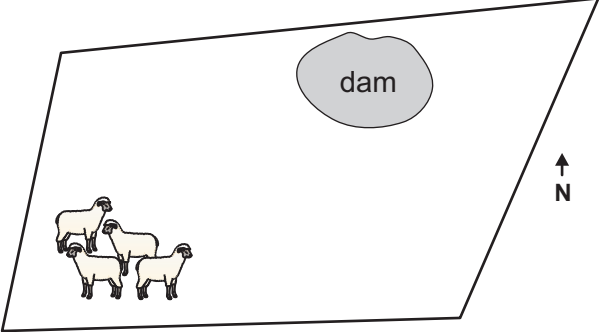
4

This table shows the results of a survey of the distances travelled by students during the holidays.

Year level	Distance travelled		
	<100 km	100 – 250 km	>250 km
5	14	11	7
7	9	17	14
9	16	8	15

How many Year 7 students travelled more than 100 km during the holidays?

5



Which corner of this paddock has fences that form an angle closest to 85° ?

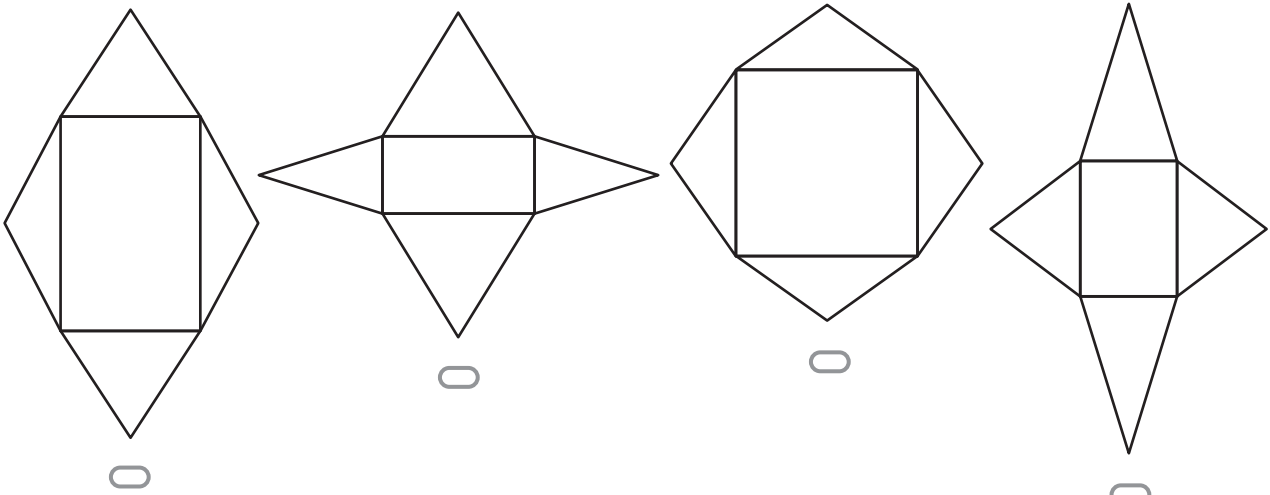
- north-east corner
- north-west corner
- south-east corner
- south-west corner

6

Which fraction has a value between 3 and $3\frac{1}{2}$?

$\frac{11}{3}$	$\frac{15}{4}$	$\frac{17}{5}$	$\frac{23}{8}$
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7



Which of these diagrams shows the net of a pyramid with a rectangular base?

8

20% of the 140 photographs at an exhibition were black-and-white.
How many black-and-white photographs were there?