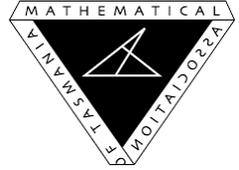


**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



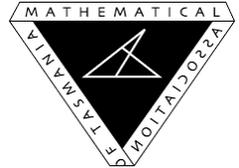
1.

What is the sum of the smallest and largest of the numbers 0.5129, 0.9, 0.89 and 0.289?

ANSWER

**5
MARKS**

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



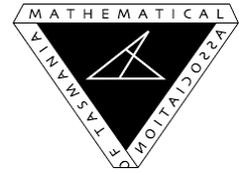
2.

A fish has a mass of 3 kg plus half its own mass. What is the mass of the fish?

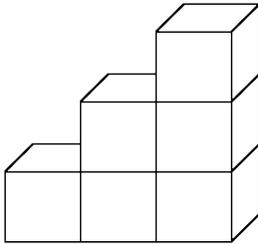
ANSWER

**5
MARKS**

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



3.

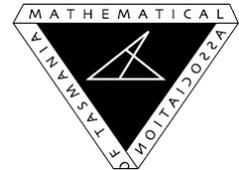


This stairway is made of cubes. How many cubes would be used if the stairway was 9 steps high?

ANSWER

**5
MARKS**

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



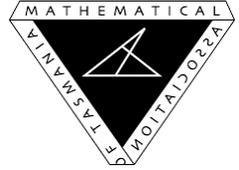
4.

Last night there were 10 hours and 15 minutes of darkness. If the sun rose this morning at 5.20 am, at what time did it set last night?

ANSWER

**5
MARKS**

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**

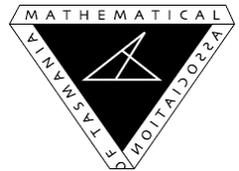


5. A clock is set correctly at 1 pm. It loses 3 minutes every hour. What time will the clock show when the correct time is 10 am the next day?

ANSWER

10
MARKS

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**

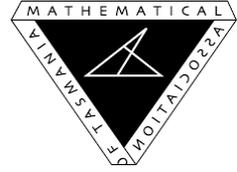


6. If the digit 6 is placed at the right hand end of a 2-digit number, the new 3-digit number is 294 greater than the original 2-digit number. What was the original number?

ANSWER

10
MARKS

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



7.

Brian buys a radio. He later sells it to Jennifer and loses \$4 on the deal.

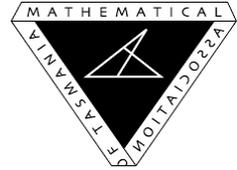
Jennifer makes a profit of \$ 5 by selling it to Jason for \$26.

How much did Brian pay for the radio?

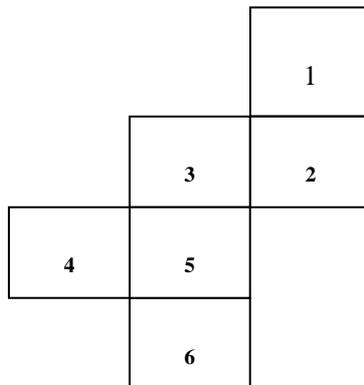
ANSWER

10
MARKS

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



8.

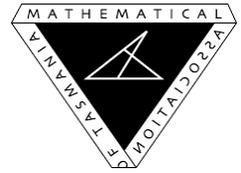


If this net of 6 squares is folded to form a cube, what is the product of the 4 numbers adjoining the square numbered 1?

ANSWER

15
MARKS

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



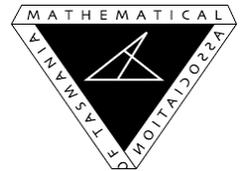
9.

A bus can hold 24 adults or 30 children. 25 children are already on the bus.
What is the largest number of adults that can still get on the bus?

ANSWER

**15
MARKS**

**M.A.T. RELAY COMPETITION
PRIMARY [Year 5 - 6] SAMPLE**



10.

A bucket contains 100 litres of a fruit juice mixture which is 20% water. How many litres of water must be added to the bucket to make a mixture which is $\frac{1}{3}$ water?

ANSWER

**20
MARKS**