

# m6 = 7 days to go!

without a calculator

8 In a school,  $\frac{3}{8}$  of the teachers are male.

$$\begin{array}{r} 0.375 \\ 8 \overline{) 3.3000} \end{array}$$

What percentage of the teachers are male?

with a calculator

$$3 \div 8 = 0.375$$

$$37.5\%$$

Answer 37.5 % [1]

2 Jack's bus was late three times out of fifty.

Write  $\frac{3}{50}$  as a decimal.

$$\frac{3}{50} = \frac{6}{100}$$

*(Note: Handwritten arrows show 3 multiplied by 2 to get 6, and 50 multiplied by 2 to get 100.)*

Answer 0.06 [1]

4 Tom buys three shirts.

Each shirt costs £5 correct to the nearest pound (£).

What is the most that Tom could have paid in total for his three shirts?

Shirt could be

£4.50 up to £5.49

maximum

Answer £

16.47

[2]

$$5.49$$

$$\times 3$$

$$\hline 16.47$$

5 There are 60 pupils in Year 8.

← Assume that

A pupil is chosen at random.

it is a mixed school

What is the probability that a boy is chosen?

Tick a box and give a reason for your answer.

exactly 0.5

about 0.5

cannot say

Reason Roughly  $\frac{1}{2}$  the students should be boys but it does not have to be exact [2]

14 A band is hired at a wedding from 8 pm to 11.30 pm.

The band plays from 8 pm until 9:15 pm and from 10:15 pm until 11:30 pm.

What is the ratio of the amount of time the band plays to the amount of time when the band does not play?

8 pm  $\longrightarrow$  11:30 pm      3hr 30mins = 210mins

8  $\longrightarrow$  9.15

10.15  $\longrightarrow$  11:30

= 75 mins

75 mins = 150

play : not play

150 : 60

Ratio

15 : 6

Answer 5 : 2 [4]

5 : 2