SMART EXAM RESOURCES
STAGE 7 MATHEMATICS
TOPIC QUESTIONS
TOPIC: RATIO
SET-4

1.

Divide $200 in the ratio $7:3$.

$ .... , $ .... [2]

MARK SCHEME 1:

140, 60	2	**M1** for $\dfrac{200}{(7+3)} \times k$ where $k = 1, 7$ or 3

2.

Pip and Ali share $785 in the ratio   Pip : Ali = 4 : 1.

Work out Pip's share.

Answer $ .... [2]

MARK SCHEME 2:

	628	2	**M1** for $\dfrac{785}{1+4}[\times 4]$

3.

Martha divides $240 between spending and saving in the ratio

spending : saving = 7 : 8.

Calculate the amount Martha has for spending.

Answer $ .... [2]

MARK SCHEME 3:

112		**2**	**M1** for $240 \div (7 + 8) \times 7$

4.

The angles of a triangle are in the ratio 3 : 5 : 7.

Find the size of the largest angle in this triangle.

.... [3]

MARK SCHEME:

84	3	**M2** for $\dfrac{180}{3+5+7} \times j$ or better where $j = 1, 3, 5$ or 7 or **B1** for 180 or $\dfrac{7}{15}k$

5.

He buys tubs of ice cream for his shop in the ratio   vanilla : chocolate $= 11 : 7$.
He buys 28 tubs of chocolate ice cream.

Work out how many tubs of vanilla ice cream he buys.

.... [2]

MARK SCHEME:

44 nfww	2	M1 for $\frac{28}{7}[\times 11]$ oe