

SMART EXAM RESOURCES

STAGE 7 MATHEMATICS

TOPIC QUESTIONS

TOPIC: FRACTIONS, DECIMALS, PERCENTAGES

SET-1

1.

(a) Write 0.8 as a fraction.

..... [1]

(b) Write 28% as a decimal.

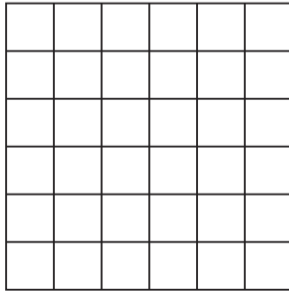
..... [1]

MARK SCHEME 1 :

| | | | |
|-----|----------------------------|----------|--|
| (a) | $\frac{8}{10}$ oe fraction | 1 | |
| (b) | 0.28 | 1 | |

2.

- (a) Shade $\frac{2}{9}$ of this shape.



[1]

- (b) Write $\frac{2}{9}$ as a percentage.

.....% [1]

MARK SCHEME:

| | | | |
|-----|------------------|----------|--|
| (a) | 8 squares shaded | 1 | |
| (b) | 22.2 or 22.22... | 1 | |

3.

Write these numbers in order, starting with the smallest.

$$\frac{15}{213}$$

0.071

0.7

7%

..... < < < [2]
smallest

MARK SCHEME 3:

| | | |
|-------------------------------|---|--|
| 7% $\frac{15}{213}$ 0.071 0.7 | 2 | B1 for 3 in correct order or M1 for 0.0704... (for $\frac{15}{213}$) and 0.07 (for 7%) |
|-------------------------------|---|--|

4.

Write the fraction $\frac{24}{84}$ in its simplest form.

..... [1]

MARK SCHEME 4:

| | | |
|-------------------|----------|--|
| $\frac{2}{7}$ cao | 1 | |
|-------------------|----------|--|

5.

(a) Write 0.7 as a fraction.

..... [1]

(b) Write $\frac{13}{20}$ as a percentage.

..... % [1]

MARK SCHEME 5:

| | | | |
|-----|---------------------------------------|----------|--|
| (a) | $\frac{7}{10}$ or equivalent fraction | 1 | |
| (b) | 65 | 1 | |