1   Calculate $\dfrac{3}{8}$ of 27

Give your answer as a fraction.

.... [1]

Mark Scheme:

10   $\dfrac{125}{1000}$

2 n lies in the interval $3.5 < n < 3\dfrac{9}{16}$

Find a possible value of n.
Give your answer as a mixed number.

$n =$ .... [1]

MARK SCHEME

Any mixed number n where $3.5 < n < 3\frac{9}{16}$ e.g. $3\frac{17}{32}$	1		

3 (a) Draw a ring around **all** of the calculations that are equivalent to $\dfrac{9}{16} \div \dfrac{3}{4}$

$$\dfrac{16}{9} \times \dfrac{3}{4} \qquad \dfrac{9}{16} \times \dfrac{4}{3} \qquad \dfrac{9}{4} \times \dfrac{1}{3} \qquad \dfrac{16}{9} \times \dfrac{4}{3} \qquad \dfrac{3}{4} \times \dfrac{1}{1} \qquad \dfrac{3}{8} \times \dfrac{2}{1}$$

[2]

(b) Calculate $3 \times 1\dfrac{5}{6}$

Give your answer as a mixed number in its simplest form.

.... [2]

MARK SCHEME

(a)	$\frac{16}{9} \times \frac{3}{4}$ $\boxed{\frac{9}{16} \times \frac{4}{3}}$ $\boxed{\frac{9}{4} \times \frac{1}{3}}$ $\frac{16}{9} \times \frac{4}{3}$ $\boxed{\frac{3}{4} \times \frac{1}{1}}$ $\boxed{\frac{3}{8} \times \frac{2}{1}}$	2	Award 1 mark for at least two correct and none incorrect **or** three correct and one incorrect.	
(b)	$5\frac{1}{2}$ correct answer only	2	Award 1 mark for $\frac{33}{6}$ or $\frac{11}{2}$ or equivalent.	Or equivalent e.g. $5\frac{3}{6}$, 5.5 for 1 mark.

4 Sally says $\frac{3}{4} < \frac{2}{3}$

Explain why Sally is wrong.

....

.... [1]

Mark Scheme:

Becasue:Equalising denominator:
  9/12 > 8/12

5   Tick (✓) the fractions that are equal to a recurring decimal.

$$\frac{2}{9} \qquad \frac{5}{8} \qquad \frac{4}{11} \qquad \frac{7}{20} \qquad \frac{14}{33}$$

[1]

Mark Scheme:

✓ $\dfrac{2}{9}$ $\dfrac{5}{8}$ ✓ $\dfrac{4}{11}$ $\dfrac{7}{20}$ ✓ $\dfrac{14}{33}$

5 Work out.

$$\frac{6}{7} \times \left(\frac{4}{5} - \frac{1}{3} \right)$$

Give your answer as a fraction in its simplest form.

.... [2]

MARK SCHEME

$\dfrac{2}{5}$		2	Award 1 mark for $\dfrac{12}{15} - \dfrac{5}{15}$ or for $\dfrac{7}{15}$ or for answer equivalent to $\dfrac{2}{5}$ or $\dfrac{6}{7} \times$ (*their* subtraction) correctly evaluated and in its simplest form.