

Name: _____

Class/Set: _____

FY Starter 07/01

Malvern College

1: Convert:

0.27 to a percentage _____

2: Convert:

80% to a simplified fraction _____

3: Convert:

16.6% to a simplified fraction _____

4: Simplify the following:

$6k^2 + 9k + 5 + 2k^2 + 10k + 9 =$ _____

5: Multiply out and simplify the following:

$7(9w + 8) - 10(9w - 7)$

6: Factorise the following:

$32u^2 - 8uv =$ _____

7: Solve the following:

$6g - 9 = 3$

8: Solve the following:

$$4 = \frac{e + 32}{10}$$

9: Solve the following:

$$6b - 1 = 10b - 5$$

Answers: FY Starter 07/01

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1: 27%

2: $\frac{4}{5}$

3: $\frac{1}{6}$

4: $8k^2 + 19k + 14$

5: $63w + 56 - 90w + 70 = -27w + 126$

6: $8u(4u - v)$

7: $6g - 9 = 3$ [+ 9]
 $6g = 12$ [$\div 6$]
 $g = 2$

8: $\frac{e + 32}{10} = 4$ [$\times 10$]
 $e + 32 = 40$ [- 32]
 $e = 8$

9: $10b - 5 = 6b - 1$ [- 6b]
 $4b - 5 = -1$ [+ 5]
 $4b = 4$ [$\div 4$]
 $b = 1$