

Name:

Class/Set:

# FY Starter 09/01

Malvern College

1: Convert:

0.72 to a percentage \_\_\_\_\_

2: Convert:

60% to a simplified fraction \_\_\_\_\_

3: Convert:

62.5% to a simplified fraction \_\_\_\_\_

4: Work out the following:

Find 26% of £63.00.

\_\_\_\_\_

5: Work out the following:

Find  $87.5 \text{ cm}^2$  as a percentage of  $350 \text{ cm}^2$ .

\_\_\_\_\_

6: Simplify the following:

$n^2 + 8n + 5 + n^2 + 10n + 8 =$  \_\_\_\_\_

7: Multiply out and simplify the following:

$6(v - 2) - (4v - 6)$

\_\_\_\_\_

8: Factorise the following:

$6w^2 + 16wp =$  \_\_\_\_\_

9: Solve the following:

$$7e + 6 = 48$$
  

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10: Solve the following:

$$-7 = \frac{u - 36}{5}$$
  

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11: Solve the following:

$$2r - 2 = 9r - 2$$
  

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# Answers: FY Starter 09/01

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1: 72%

2:  $\frac{3}{5}$

3:  $\frac{5}{8}$

4: £16.38

5: 25%

6:  $2n^2 + 18n + 13$

7:  $6v - 12 - 4v + 6 = 2v - 6$

8:  $2w(3w + 8p)$

9:  $7e + 6 = 48$  [ - 6 ]  
 $7e = 42$  [  $\div 7$  ]  
 $e = 6$

10:  $\frac{u - 36}{5} = -7$  [  $\times 5$  ]  
 $u - 36 = -35$  [ + 36 ]  
 $u = 1$

11:  $9r - 2 = 2r - 2$  [ - 2r ]  
 $7r - 2 = -2$  [ + 2 ]  
 $7r = 0$  [  $\div 7$  ]  
 $r = 0$