Name: .... Class: ....

Solve equations involving like terms

Solve on the rough paper then write the correct answer (follow the example).

1. Find the value of **m**.
$9m + 3m - 10m = 74$

2. Find the value of **p**.
$19p - 7p = 144$

3. Find the value of **u**.
$25u - 3u - 11u = 11$

4. Find the value of **x**.
$x + 8x + 3x = 60$

5. Find the value of **p**.
$10p + 2p + 15p = 54$

6. Find the value of **u**.
$50u - 25u + 45u = 700$

7. Find the value of **t**.
$20 = 10t + 15t - 24t$

Find the value of the variables in the following expressions and choose the most correct answer.

8. $6m - 2m + 4m = 8$ ☐ m = 8   ☐ m = 16   ☐ m = 4   ☐ m = 1

9. $10t + 15t + t = 78$ ☐ t = 3   ☐ t = 78   ☐ t = 26   ☐ t = -3

10. $25u + 5u - 10u = 40$ ☐ u = 20   ☐ u = 40   ☐ u = 2   ☐ u = 40

11. $6s - 3s - 2s = 59$ ☐ s = 59   ☐ s = 1   ☐ s = 58   ☐ s = 50

12. $2x - x + 17x = 216$ ☐ x = 216   ☐ x = 12   ☐ x = 18   ☐ x = 70

mathskills4kids

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Solve equations involving like terms

Solve on the rough paper then write the correct answer (follow the example).

1. Find the value of **m**.

$9m + 3m - 10m = 74$

Combine the **m** terms.

$9m + 3m - 10m = 74$

$12m - 10m = 74$

$2m = 74$

Divide both sides by **2** to solve for **m**.

$2m = 74$

$$\frac{2m}{2} = \frac{74 \div 2}{2 \div 2}$$

m = 37

2. Find the value of **p**.

$19p - 7p = 144$

p = 12

3. Find the value of **u**.

$25u - 3u - 11u = 11$

u = 1

4. Find the value of **x**.

$x + 8x + 3x = 60$

x = 5

5. Find the value of **p**.

$10p + 2p + 15p = 54$

p = 2

6. Find the value of **u**.

$50u - 25u + 45u = 700$

u = 10

7. Find the value of **t**.

$20 = 10t + 15t - 24t$

t = 20

Find the value of the variables in the following expressions and choose the most correct answer.

8. $6m - 2m + 4m = 8$ ☐ m=8 ☐ m=16 ☐ m=4 ☑ m=1

9. $10t + 15t + t = 78$ ☑ t=3 ☐ t=78 ☐ t=26 ☐ t=-3

10. $25u + 5u - 10u = 40$ ☐ u=20 ☐ u=40 ☑ u=2 ☐ u=40

11. $6s - 3s - 2s = 59$ ☑ s=59 ☐ s=1 ☐ s=58 ☐ s=50

12. $2x - x + 17x = 216$ ☐ x=216 ☑ x=12 ☐ x=18 ☐ x=70