

05.03.2021

ANSWERS

Decimals

WALT: answer word problems involving decimals.

I star

1. A school raises £369.63 money for charity. They want to share it equally between 3 charities. How much money will each charity get?

$$£369.63 \div 3 = £123.21$$

Each charity will get £123.21

2. Amy wins £7892.45 on the lottery. She wants to give her mom £351.20 of her winnings. How much will she have left?

$$£7892.45 - £351.20 = £7541.25$$

Amy will have £7541.25 left.

3. Logan, Elizabeth and Chris want to go on holiday. It costs £725.32 per person. How much does it cost them altogether?

$$£725.32 \times 3 = £2175.96$$

It will cost them £2175.96 altogether.

4. A group of children are measuring the perimeter of their school playground. Their measurements are 52.4m, 56.5m, 72.4m and 76.3m. What is the perimeter of the playground?

$$52.4m + 56.5m + 72.4m + 76.3m = 257.6m$$

The perimeter of the playground is 257.6m.

5. A car dealer sells a car for £7653.21 He then sells another car for £8235.21. How much money does he make altogether?

$$£7653.21 + £8235.21 = £15888.42$$

He makes £15888.42 altogether.

6. Louise wants to buy 4 of her friends a new phone. A new phone costs £256.23 each. How much will she spend altogether?

$$£256.23 \times 4 = £1024.92$$

She will spend £1024.92 altogether.

2 stars

1. A school raises £5607.55 money for charity. They want to share it equally between 5 charities. How much money will each charity get?

$$£5607.55 \div 5 = £1121.51$$

Each charity will get £1121.51

2. Amy wins £62945.89 on the lottery. She wants to give her mom £5632.87 of her winnings. How much will she have left?

$$£62945.89 - £5632.87 = £57313.02$$

She will have £57313.02 left.

3. Logan, Elizabeth, Alex and Chris want to go on holiday. It costs £845.28 per person. How much does it cost them altogether?

$$£845.28 \times 4 = £3381.12$$

It will cost them £3381.12 altogether.

4. A group of children are measuring the perimeter of their school playground. Their measurements are 72.56m, 78.32m, 65.23m and 64.91m. What is the perimeter of the playground?

$$72.56\text{m} + 78.32\text{m} + 65.23\text{m} + 64.91\text{m} = 281.02\text{m}$$

The perimeter of the playground is 281.02m.

5. A car dealer sells a car for £8372.98 He then sells another car for £11743.89. How much money does he make altogether?

$$£8372.98 + £11743.89 = £20116.87$$

He makes £20116.87 altogether.

6. Louise wants to buy 6 of her friends a new phone. A new phone costs £453.23 each. How much will she spend altogether?

$$£453.23 \times 6 = £2719.38$$

She will spend £2719.38 altogether.

3 stars

1. A school raises £7885.26 money for charity. They want to share it equally between 6 charities. How much money will each charity get?

$$£7885.26 \div 6 = £1314.21$$

Each charity will get £1314.21

2. Amy wins £738567.94 on the lottery. She wants to give her mom £346321.56 of her winnings. How much will she have left?

$$£738567.94 - £346321.56 = £392246.38$$

She will have £392246.38 left.

3. Logan, Elizabeth, Alex, Anna and Chris want to go on holiday. It costs £972.39 per person. How much does it cost them altogether?

$$£972.39 \times 5 = £4861.95$$

It will cost them £4861.95 altogether.

4. A group of children are measuring the perimeter of their school playground. Their measurements are 84.52m, 86.82m, 76.93m and 79.47m. What is the perimeter of the playground?

$$84.52\text{m} + 86.82\text{m} + 76.93\text{m} + 79.47\text{m} = 327.74\text{m}$$

The perimeter of the playground is 327.74m.

5. A car dealer sells a car for £14892.37. He then sells another car for £12354.83. How much money does he make altogether?

$$£14892.37 + £12354.83 = £27247.20$$

He makes £27247.20 altogether.

6. Louise wants to buy 7 of her friends a new phone. A new phone costs £567.93 each. How much will she spend altogether?

$$£567.93 \times 7 = £3975.51$$

She will spend £3975.51 altogether.