



Name: _____ Class: _____

If A and B are whole numbers, find suitable values that make each equation true.

1 $A + B = 130$ **answers will vary** $A - B = 250$

A = _____ B = _____

A = _____ B = _____

3 $2A + B = 60$

A = _____ B = _____

4 $2A + 2B = 500$

A = _____ B = _____

5 $3A + B = 250$

A = _____ B = _____

6 $A \div B = 15$

A = _____ B = _____

7 $2A \div B = 4$

A = _____ B = _____

8 $3A \times B = 105$

A = _____ B = _____

9 $2A \times B = 72$

A = _____ B = _____

10 $3A \times 2B = 108$

A = _____ B = _____

11 $A + B = 240$

Where A is twice B

A = _____ B = _____

12 $B - A = 170$

Where B is twice A

A = _____ B = _____

13 $A - B = 65$

Where A is twice B

A = _____ B = _____

14 $A \times B = 128$

Where A is half of B

A = _____ B = _____

15 $2A \times B = 98$

Where A is the same as B

A = _____ B = _____

16 $A + B = 540$

Where A is 150 more than B

A = _____ B = _____

17 $A + B = 102$

Where B is 22 less than A

A = _____ B = _____

18 $2A - B = 90$

Where B is half of A

A = _____ B = _____

19 $A \div B = 2$

Where A is twice B

A = _____ B = _____

20 $2A \div B = 4$

Where B is half of A

A = _____ B = _____



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Use algebraic thinking to help you find the missing values.

- 21** In the shop there are 900 cakes. If there are twice as many chocolate cakes as vanilla cakes, how many chocolate cakes are there?

Chocolate cakes = 600

- 22** Klara and Manu each have a bag of seashells. If they have 40 seashells altogether, and Manu has 6 seashells less than Klara, how many seashells do they each have?

Klara = 23 seashells

Manu = 17 seashells

- 23** Stig and Sten have some pocket money to spend. Altogether, they have £12.40. If Sten has £3.20 less than Stig, how much do they each have?

Stig = £7.80

Sten = £4.80



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- 24** Granny is paying for theatre tickets. She buys one adult ticket and four child tickets. If the total cost of the theatre trip is £480, and the cost of each child ticket is half that of an adult ticket, how much does each type of ticket cost?

Adult = £160

Child = £80

- 25** The farmer is adding some new fencing, some of which is electric, and some is post and rail. Altogether the fencing is 1200cm long. If the length of the electric fencing is 340cm shorter than the post and rail fencing, how long is each type of the fencing?

Electric fencing = 430cm

Post and rail fencing = 770cm

