

Math Crossword – Master (L5)

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MATH

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Scan a puzzle's QR code, or enter its code at www.archeranthem.com/check, to solve it online and check your answers.

How to Solve

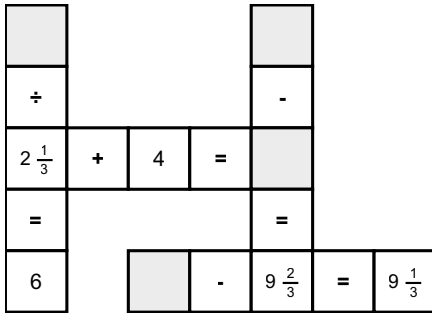
Each puzzle is a grid of math equations that read across and down and cross at shared numbers.

1. Find the shaded empty cells — these are the blanks to fill in.
2. Use the numbered “Fill the blanks using” list beside each puzzle.
3. Place each value so that every across and down equation is true.
4. Use the work area to figure out your answers.

Check your work with the answer key at the back, or scan the puzzle’s QR code to solve it online.

| | | | | |
|--|---|--|---|--|
| | + | | = | |
|--|---|--|---|--|

Puzzle 5

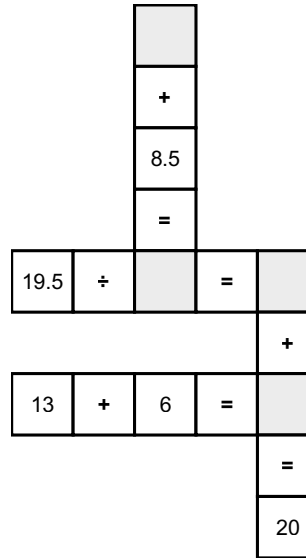


Fill the blanks using:

1. $6\frac{1}{3}$ 2. 16 3. 14 4. 19

3DA683AC

Puzzle 6

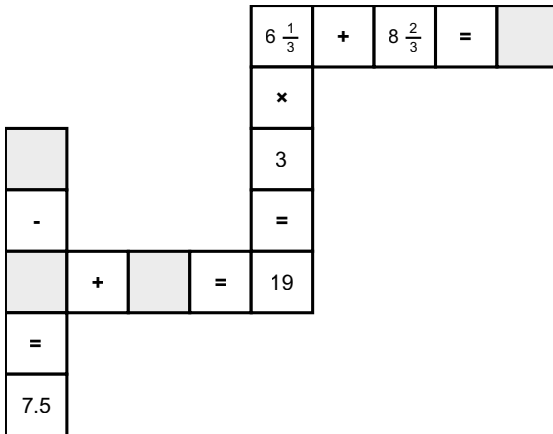


Fill the blanks using:

1. 19.5 2. 19 3. 11 4. 1

1BEC8635

Puzzle 7

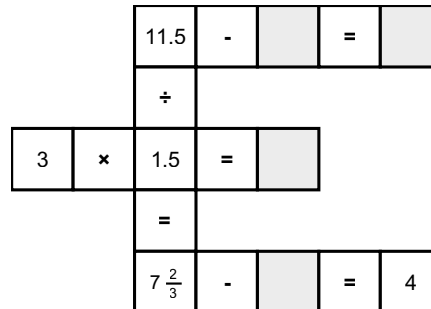


Fill the blanks using:

1. 7.5 2. 19 3. 11.5 4. 15

43D8B5E6

Puzzle 8

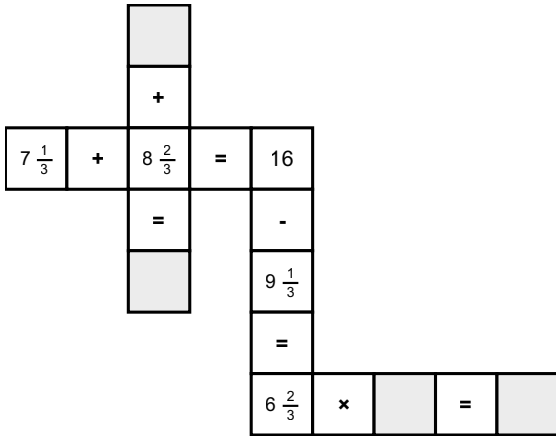


Fill the blanks using:

1. 4.5 2. 2 3. 9.5 4. $3\frac{2}{3}$

87971C5F

Puzzle 9

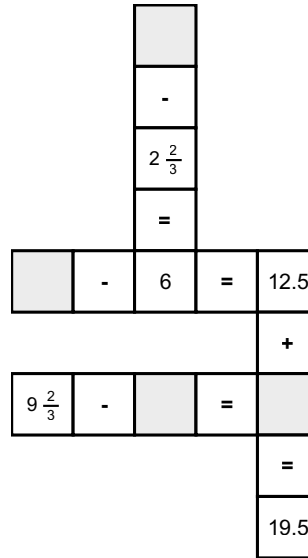


Fill the blanks using:

1. 16 2. 1.5 3. 10 4. $7\frac{1}{3}$

54880665

Puzzle 10

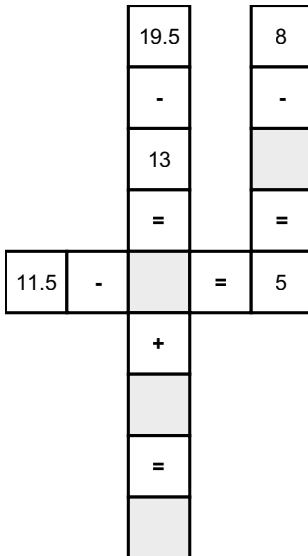


Fill the blanks using:

1. $8\frac{2}{3}$ 2. $2\frac{2}{3}$ 3. 7 4. 18.5

8AAA36C6

Puzzle 11

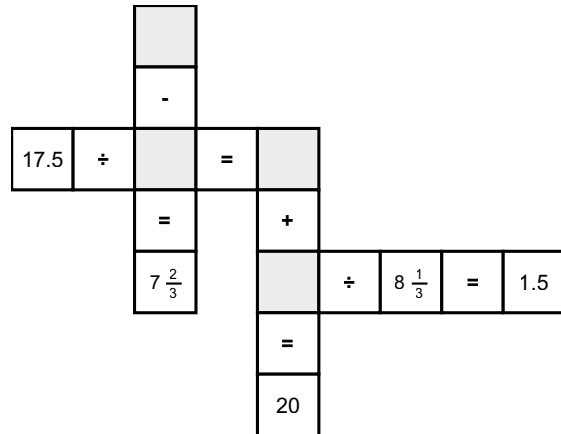


Fill the blanks using:

1. 6.5 2. 16 3. 3 4. 9.5

3C0A08C7

Puzzle 12



Fill the blanks using:

1. 10 2. 7.5 3. 12.5 4. $2\frac{1}{3}$

98E5149D

Puzzle 13

| | | | | |
|----------------|---|----------------|---|----|
| 17 | + | | = | |
| - | | | | |
| $9\frac{1}{3}$ | - | $6\frac{1}{3}$ | = | 3 |
| = | | | | |
| | + | | = | 13 |



Fill the blanks using:

1. 18.5 2. 1.5 3. $7\frac{2}{3}$ 4. $5\frac{1}{3}$

800623CC

Puzzle 14

| | | | | | | | | |
|------|---|----------------|----|----|--|---|----------------|--|
| 13.5 | × | $1\frac{1}{3}$ | = | 18 | | | | |
| | | | ÷ | | | | | |
| | | | 12 | - | | = | $4\frac{2}{3}$ | |
| | | | = | | | | | |
| | | | | | | | | |



Fill the blanks using:

1. 5.5 2. $1\frac{1}{3}$ 3. 1.5 4. $7\frac{1}{3}$

B5E97764

Puzzle 15

| | | | | |
|------|---|----------------|---|---|
| 14.5 | - | | = | |
| | | | - | |
| 1.5 | × | $5\frac{1}{3}$ | = | 8 |
| | | | = | |
| | | $6\frac{2}{3}$ | - | |
| | | | = | |



Fill the blanks using:

1. $4\frac{2}{3}$ 2. 2 3. 2.5 4. 12

6796F0A5

Puzzle 16

| | | | | | | | | |
|------|---|--|---|-----|---|----------------|---|----|
| | | | | 9 | | | | |
| | | | | - | | | | |
| 12.5 | - | | = | 4.5 | × | $2\frac{2}{3}$ | = | 12 |
| + | | | | = | | | | |
| | | | | | | | | |
| = | | | | | | | | |
| | | | | | | | | |



Fill the blanks using:

1. 4.5 2. 3.5 3. 16 4. 8

93E2AC0D

Puzzle 17

| | | | | | |
|----------------|------|---|---|----|----------------|
| | 17.5 | ÷ | | = | $1\frac{2}{3}$ |
| | | | + | | |
| 4.5 | + | | = | | |
| | | | = | | |
| $7\frac{1}{3}$ | + | | = | 17 | |



Fill the blanks using:

1. 10.5 2. $9\frac{2}{3}$ 3. 2 4. 6.5

E4F9A115

Puzzle 18

| | | | | | | |
|------|----|---|---|----------------|---|--|
| | 13 | | ÷ | $4\frac{1}{3}$ | = | |
| | + | | ÷ | | | |
| 15.5 | + | 4 | = | 19.5 | | |
| | | | = | | | |
| | | | | | | |



Fill the blanks using:

1. 19.5 2. 17 3. 1 4. 4.5

8BAA4AC2

Puzzle 19

| | | | | |
|--|---|----------------|---|------|
| | | | | 10.5 |
| | | | | - |
| | ÷ | $2\frac{2}{3}$ | = | 7.5 |
| | | | = | |
| | ÷ | 3 | = | |
| | + | | | |
| | | 1.5 | | |
| | | = | | |
| | | | | |



Fill the blanks using:

1. 18 2. 5.5 3. 16.5 4. 20

7648CD35

Puzzle 20

| | | | | |
|----------------|---|----------------|---|------|
| | + | | = | 17.5 |
| | | ÷ | | |
| $5\frac{1}{3}$ | + | $9\frac{2}{3}$ | = | |
| | | | = | |
| 1.5 | × | | = | 8.5 |



Fill the blanks using:

1. 14.5 2. 15 3. $5\frac{2}{3}$ 4. 3

B194DDF2

1, 2, 7, 10, 6, 9, 16, ..., n

1, 3, 4, 8, 12

$$\sum_{i=1}^n ab^2 - c^2$$

$$a^2 + b^2 = c^2$$

$$\pi r^2$$

$$\sum_{i=1} (x_i - \mu)^2$$

| | | | | |
|--|---|--|---|--|
| | + | | = | |
|--|---|--|---|--|

$$E = mc^2$$

Answers

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$$a^2 + b^2 = c^2$$

$$\sum (x_i - \mu)^2$$

$$\pi r^2$$

$$a^2 + b^2 = c^2$$

[1, 4, [2, 3]]

$$\sum (x_i - \mu)^2$$

1, 2, 7, 10, 6, 9, 16, ..., n

1, 3, 4, 8, 12

$$\sum_{i=1}^n ab^2 - c^2$$

$$a^2 + b^2 = c^2$$

$$\pi r^2$$

$$\sum_{i=1} (x_i - \mu)^2$$

$$E = mc^2$$

y↑

x→

$$a^2 + b^2 = c^2$$

$$\sum (x_i - \mu)^2$$

$$\pi r^2$$

$$a^2 + b^2 = c^2$$

[1, 4, [2, 3]]

$$\sum (x_i - \mu)^2$$

Answer Key

Puzzle 1

| | | | | | | | |
|------|---|----|---|-----|---|---|----|
| | | | 4 | + | 6 | = | 10 |
| | | | x | | | | |
| 18.5 | - | 15 | = | 3.5 | | | |
| | | | = | | | | |
| 20 | - | 6 | = | 14 | | | |

Puzzle 2

| | | | | | | | |
|------|---|----|-----|-----|---|----------------|--|
| | | | 7.5 | | | | |
| | | | + | | | | |
| | | | 2.5 | | | | |
| | | | = | | | | |
| | | 10 | + | 3 | = | $3\frac{1}{3}$ | |
| | | | | - | | | |
| | | | | 1.5 | | | |
| | | | | = | | | |
| 16.5 | + | 11 | = | 1.5 | | | |

Puzzle 3

| | | | | |
|------|---|----------------|---|----------------|
| 6.5 | + | 2 | = | 8.5 |
| + | | + | | + |
| 13.5 | | $7\frac{1}{3}$ | | $5\frac{2}{3}$ |
| = | | = | | = |
| 20 | | $9\frac{1}{3}$ | | 1.5 |

Puzzle 4

| | | | | | | | |
|----|---|----|---|-----|---|--|--|
| | | | 9 | | | | |
| | | | x | | | | |
| 17 | + | 2 | = | 8.5 | | | |
| | | | = | | + | | |
| | | 18 | | 7.5 | | | |
| | | | | = | | | |
| 8 | x | 2 | = | 16 | | | |

Puzzle 5

| | | | | |
|----------------|---|----|---|----------------|
| 14 | | | | 16 |
| + | | | | - |
| $2\frac{1}{3}$ | + | 4 | = | $6\frac{1}{3}$ |
| = | | | | = |
| 6 | | 19 | - | $9\frac{2}{3}$ |
| | | | | = |
| | | | | $9\frac{1}{3}$ |

Puzzle 6

| | | | | | | | |
|------|---|------|-----|----|--|--|--|
| | | | 11 | | | | |
| | | | + | | | | |
| | | | 8.5 | | | | |
| | | | = | | | | |
| 19.5 | + | 19.5 | = | 1 | | | |
| | | | | + | | | |
| 13 | + | 6 | = | 19 | | | |
| | | | | = | | | |
| | | | | 20 | | | |

Puzzle 7

| | | | | | | | |
|------|---|-----|----------------|----|----------------|---|----|
| | | | $6\frac{1}{3}$ | + | $8\frac{2}{3}$ | = | 15 |
| | | | x | | | | |
| | | | 3 | | | | |
| | | | = | | | | |
| 19 | | | | | | | |
| - | | | | | | | |
| 11.5 | + | 7.5 | = | 19 | | | |
| = | | | | | | | |
| 7.5 | | | | | | | |

Puzzle 8

| | | | | | | | |
|---|---|----------------|------|----------------|-----|---|---|
| | | | 11.5 | - | 9.5 | = | 2 |
| | | | + | | | | |
| 3 | x | 1.5 | = | 4.5 | | | |
| | | | = | | | | |
| | | $7\frac{2}{3}$ | - | $3\frac{2}{3}$ | = | 4 | |

Puzzle 9

| | | | | | | | |
|----------------|---|----------------|----------------|-----|----------------|----|--|
| | | | $7\frac{1}{3}$ | | | | |
| | | | + | | | | |
| $7\frac{1}{3}$ | + | $8\frac{2}{3}$ | = | 16 | | | |
| | | | = | - | | | |
| | | | 16 | | $9\frac{1}{3}$ | | |
| | | | | = | | | |
| | | $6\frac{2}{3}$ | x | 1.5 | = | 10 | |

Puzzle 10

| | | | | | | | |
|----------------|---|----------------|----------------|------|--|--|--|
| | | | $8\frac{2}{3}$ | | | | |
| | | | - | | | | |
| | | | $2\frac{2}{3}$ | | | | |
| | | | = | | | | |
| 18.5 | - | 6 | = | 12.5 | | | |
| | | | | + | | | |
| $9\frac{2}{3}$ | - | $2\frac{2}{3}$ | = | 7 | | | |
| | | | | = | | | |
| | | | | 19.5 | | | |

Puzzle 11

| | | | | | |
|------|---|-----|------|---|---|
| | | | 19.5 | | 8 |
| | | | - | | - |
| | | | 13 | | 3 |
| | | | = | | = |
| 11.5 | - | 6.5 | = | 5 | |
| | | | + | | |
| | | | 9.5 | | |
| | | | = | | |
| | | | 16 | | |

Puzzle 12

| | | | | | | | |
|------|---|----------------|----|------|---|----------------|-----|
| | | | 10 | | | | |
| | | | - | | | | |
| 17.5 | + | $2\frac{1}{3}$ | = | 7.5 | | | |
| | | | = | + | | | |
| | | $7\frac{2}{3}$ | | 12.5 | + | $8\frac{1}{3}$ | = |
| | | | | = | | | 1.5 |
| | | | | 20 | | | |

