Math Crossword — Expert (L4)

MATH

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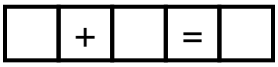
Scan a puzzle's QR code, or enter its code at www.archeranthem.com/check, to solve it online and check your answers.

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 1

+				
$2\frac{1}{2}$				
=				×
$9\frac{1}{4}$	-	7	=	
				=
10	-	$2\frac{1}{2}$	=	

DA22D8F5

Fill the blanks using:

1. $7\frac{1}{2}$ 2. $3\frac{1}{3}$ 3. $2\frac{1}{4}$ 4. $6\frac{3}{4}$

Puzzle 2

		÷	$1\frac{2}{3}$	=
			×	
		÷		=
			=	
$2\frac{1}{3}$	+	1	=	$3\frac{1}{3}$

E407D78B

Fill the blanks using:

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

Puzzle 3

	+	$1\frac{1}{3}$	=	$4\frac{2}{3}$		
-				÷		
1			+	$3\frac{1}{2}$	=	
=				=		
				$1\frac{1}{3}$		

CC8F11D4

Fill the blanks using:

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

Puzzle 4

	+	3	=	$4\frac{3}{4}$
				+
	+	$1\frac{1}{4}$	=	
				=
4	×	$2\frac{1}{4}$	=	

533E49E9

Fill the blanks using:

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

Puzzle 5

		×		
		1		10
		=		-
	+		=	8
				=
$1\frac{1}{2}$	×		=	2

325D275F

Fill the blanks using:

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

Puzzle 6

$9\frac{1}{4}$				
-				
				$9\frac{1}{2}$
=		×		÷
	+	$2\frac{1}{2}$	=	
		=		=
		$7\frac{1}{2}$		1

9A568A21

Fill the blanks using:

1. 7 2. $9\frac{1}{2}$ 3. 3 4. $2\frac{1}{4}$

Puzzle 7

				$4\frac{3}{4}$
		÷		×
		$2\frac{1}{3}$		
-		=		=
	+	$3\frac{3}{4}$	=	$9\frac{1}{2}$
=				
$3\frac{3}{4}$				

C5D748FD

Fill the blanks using:

1. $8\frac{3}{4}$ 2. $5\frac{3}{4}$ 3. 2 4. $9\frac{1}{2}$

Puzzle 8

		$7\frac{1}{3}$		
		÷		
				$6\frac{2}{3}$
÷		=		÷
$5\frac{1}{3}$	-		=	$1\frac{2}{3}$
=				=
$1\frac{3}{4}$				

78FCF40C

Fill the blanks using:

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

Puzzle 9

$4\frac{1}{4}$	+	$1\frac{1}{2}$	=	
	+			
	+	1	=	$9\frac{1}{2}$
	=			
10	÷		=	

6A8FD4F2

Fill the blanks using:

1. $8\frac{1}{2}$ 2. $1\frac{2}{3}$ 3. $5\frac{3}{4}$ 4. 6

Puzzle 10

	÷	$1\frac{2}{3}$	=	6
-		÷		
		×	$4\frac{1}{2}$	= 6
=		=		
		$1\frac{1}{4}$		

9F4B3F60

Fill the blanks using:

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

Puzzle 11

				$9\frac{3}{4}$		5
				-		-
$9\frac{1}{3}$	÷		=			
				=		=
		-		$2\frac{3}{4}$	=	$2\frac{3}{4}$

739C55F9

Fill the blanks using:

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

Puzzle 12

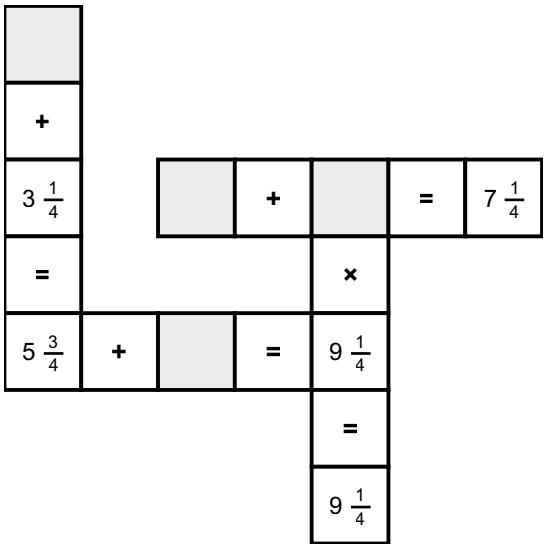
				3		
×				+		
			-	$4\frac{1}{2}$	=	
=				=		
5	×	$1\frac{1}{2}$	=	$7\frac{1}{2}$		

BD3CC79B

Fill the blanks using:

1. $2\frac{1}{2}$ 2. $9\frac{1}{2}$ 3. 5 4. 2

Puzzle 13

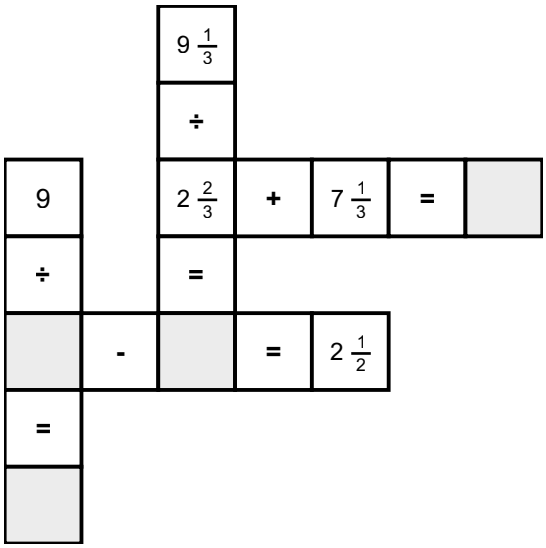


B34F8980

Fill the blanks using:

1. $2\frac{1}{2}$ 2. $3\frac{1}{2}$ 3. $6\frac{1}{4}$ 4. 1

Puzzle 14

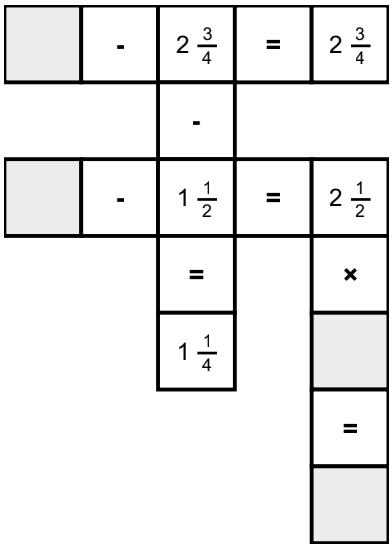


0612E920

Fill the blanks using:

1. 10 2. 6 3. $3\frac{1}{2}$ 4. $1\frac{1}{2}$

Puzzle 15

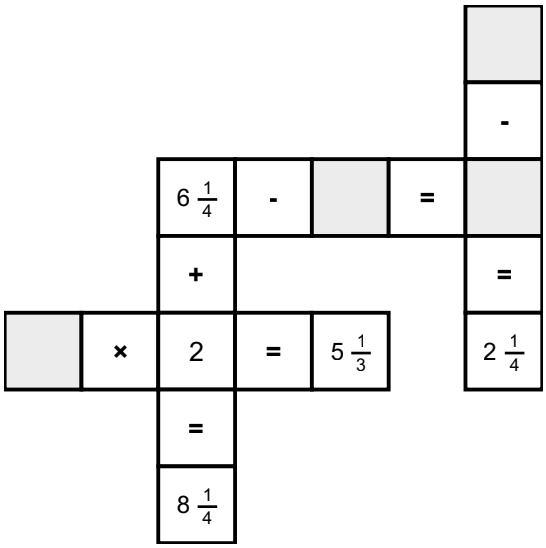


DE0C0659

Fill the blanks using:

1. $5\frac{1}{2}$ 2. 4 3. 10 4. 4

Puzzle 16

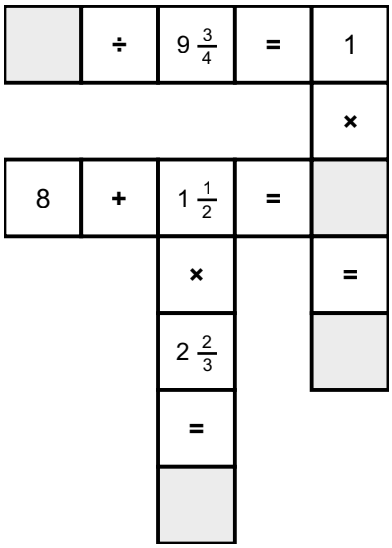


374FF171

Fill the blanks using:

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

Puzzle 17

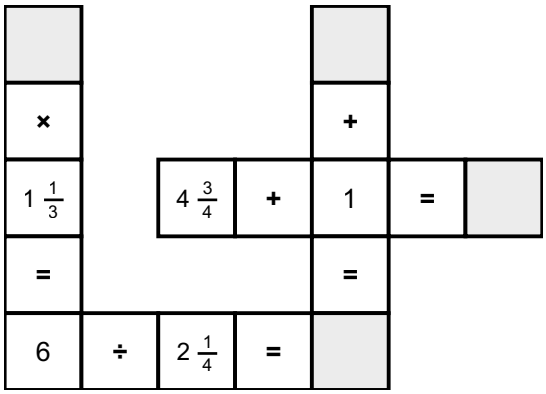


211DAE37

Fill the blanks using:

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

Puzzle 18

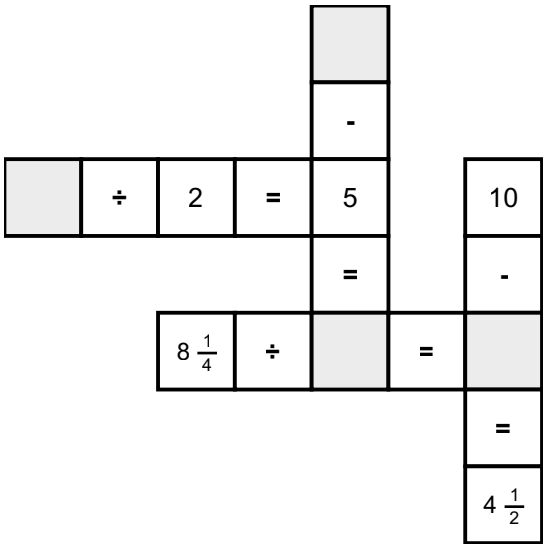


9D068209

Fill the blanks using:

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

Puzzle 19

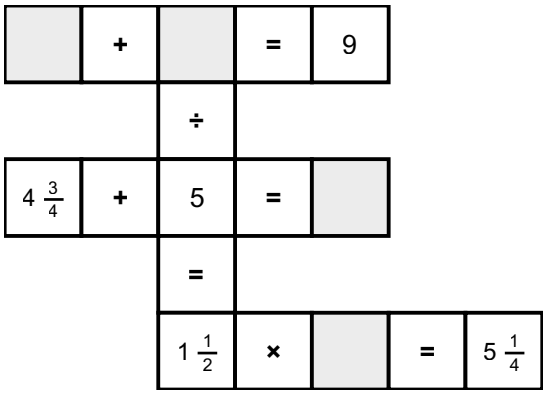


EB15B9C4

Fill the blanks using:

1. 10 2. $6\frac{1}{2}$ 3. $5\frac{1}{2}$ 4. $1\frac{1}{2}$

Puzzle 20

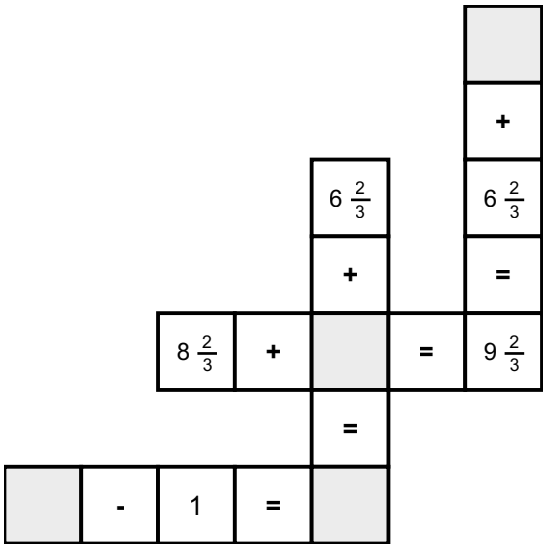


681A0A81

Fill the blanks using:

1. $7\frac{1}{2}$ 2. $9\frac{3}{4}$ 3. $3\frac{1}{2}$ 4. $1\frac{1}{2}$

Puzzle 21

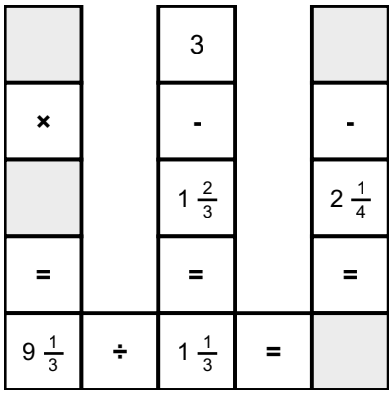


0A19319E

Fill the blanks using:

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

Puzzle 22

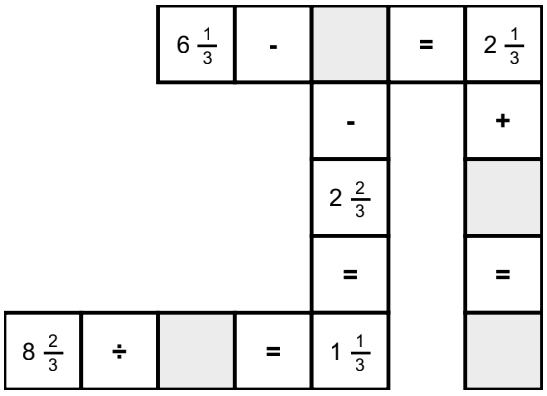


736FBD76

Fill the blanks using:

1. $2\frac{1}{3}$ 2. $9\frac{1}{4}$ 3. 4 4. 7

Puzzle 23

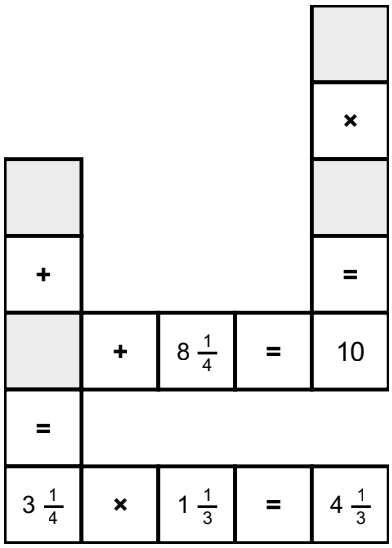


263F61B8

Fill the blanks using:

1. $9\frac{2}{3}$ 2. $7\frac{1}{3}$ 3. $6\frac{1}{2}$ 4. 4

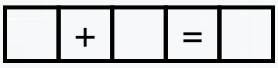
Puzzle 24



D42634B4

Fill the blanks using:

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



Answers

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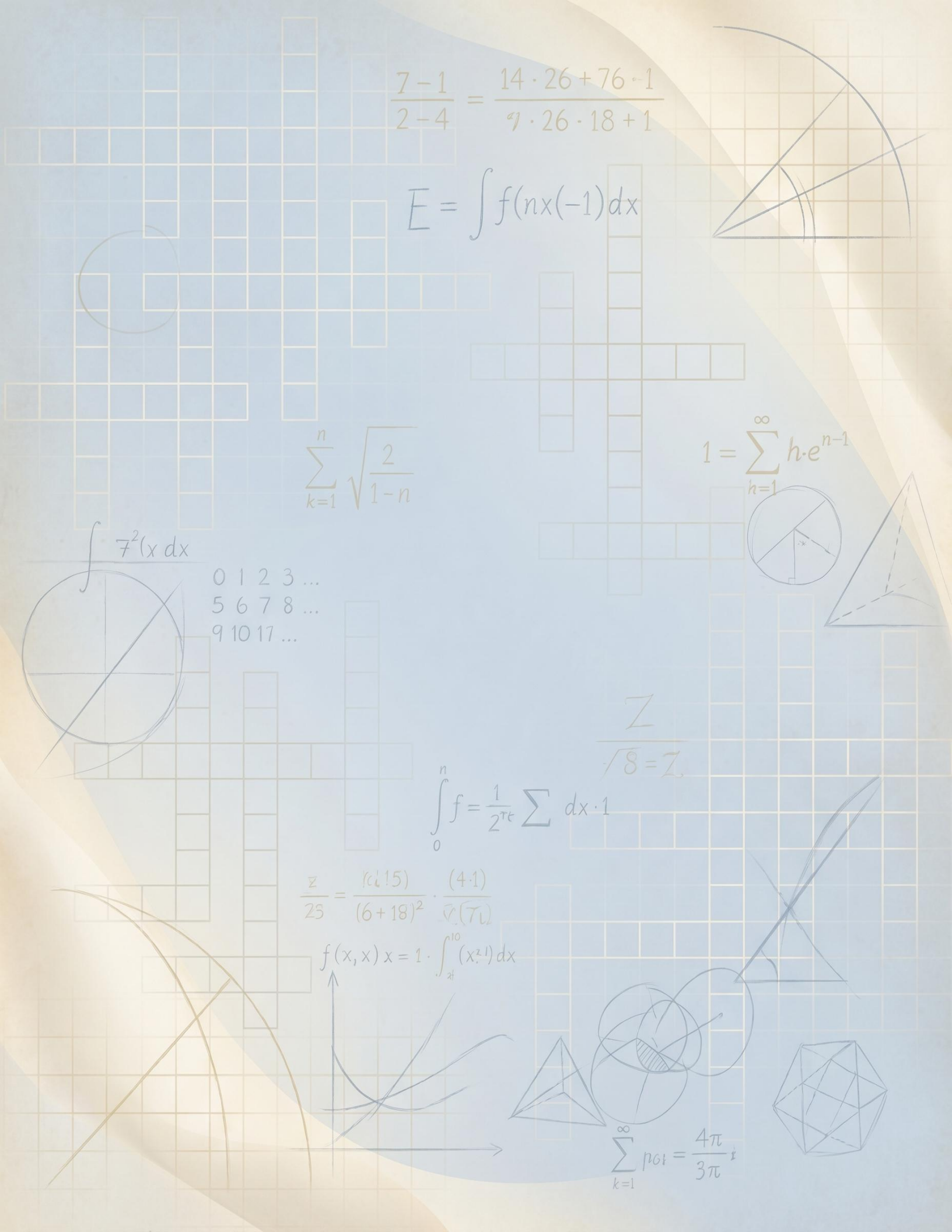
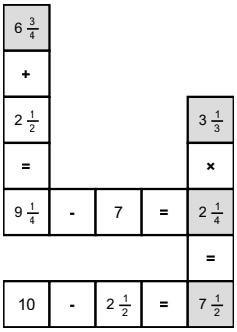
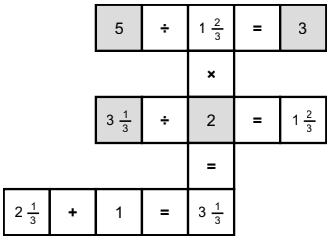

$\frac{7-1}{2-4} = \frac{14 \cdot 26 + 76 \cdot 1}{9 \cdot 26 \cdot 18 + 1}$
$E = \int f(nx(-1)dx$
$\sum_{k=1}^{n} \sqrt{\frac{2}{1-n}}$
$1 = \sum_{h=1}^{\infty} h \cdot e^{n-1}$
$\int 7^2 (x\, dx$
0 1 2 3 ...
5 6 7 8 ...
9 10 17 ...
$\int_0^n f = \frac{1}{2^{\pi t}} \sum dx \cdot 1$
$\frac{z}{25} = \frac{(c_4 ! 5)}{(6+18)^2} \cdot \frac{(4 \cdot 1)}{\sqrt{(7_4)}}$
$f(x, x)\, x = 1 \cdot \int_{x_1}^{10} (x_1^2 \cdot 1)\, dx$
$\sum_{k=1}^{\infty} p_{01} = \frac{4\pi}{3\pi}$

Answer Key

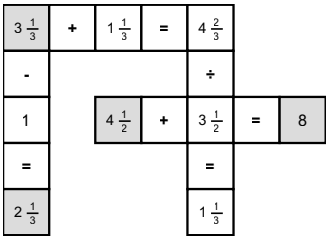
Puzzle 1



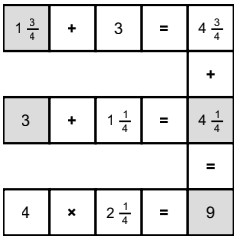
Puzzle 2



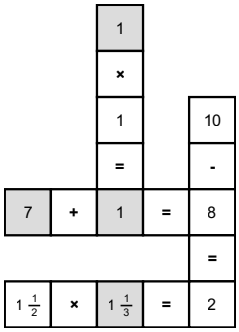
Puzzle 3



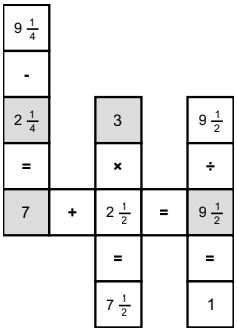
Puzzle 4



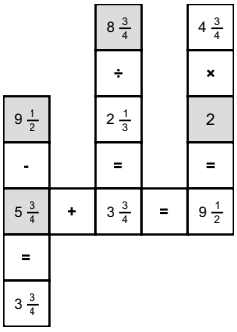
Puzzle 5



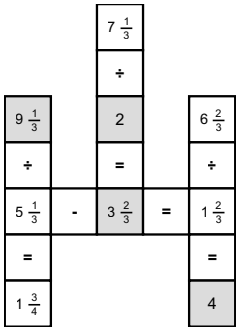
Puzzle 6



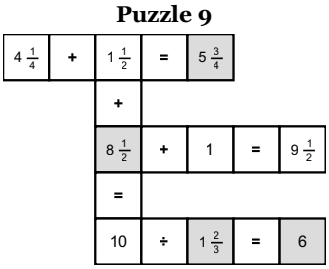
Puzzle 7



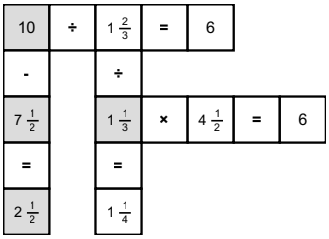
Puzzle 8



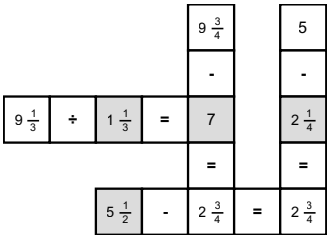
Puzzle 9



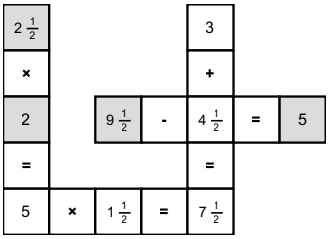
Puzzle 10



Puzzle 11

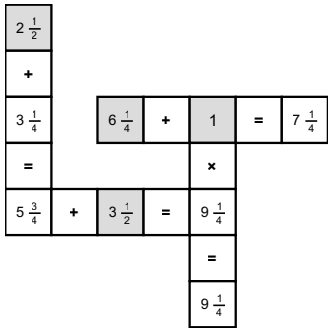


Puzzle 12

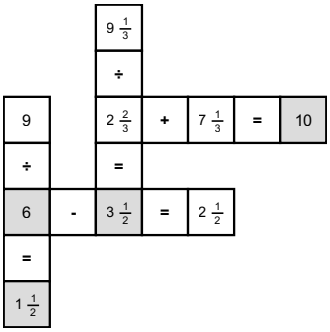


Answer Key (continued)

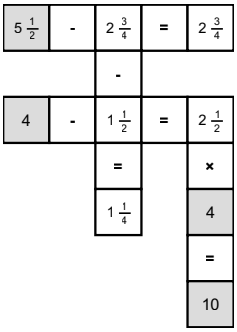
Puzzle 13



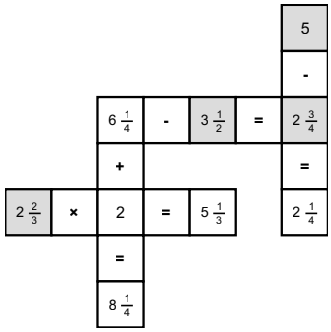
Puzzle 14



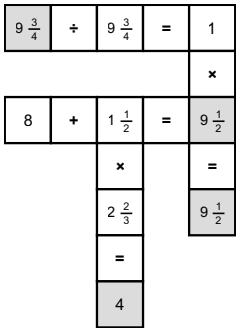
Puzzle 15



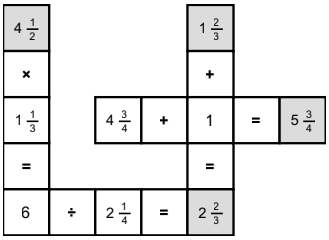
Puzzle 16



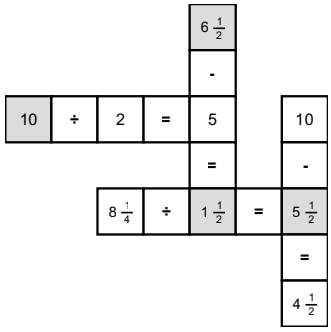
Puzzle 17



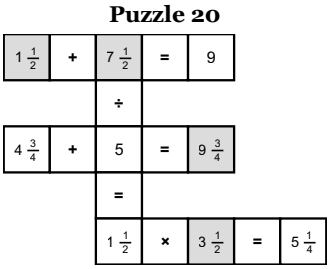
Puzzle 18



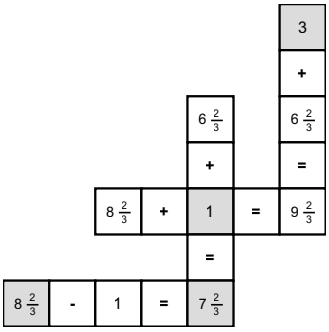
Puzzle 19



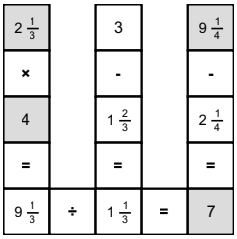
Puzzle 20



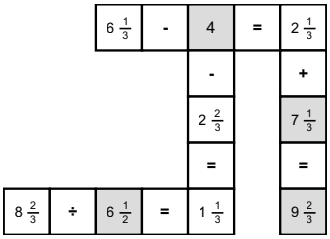
Puzzle 21



Puzzle 22



Puzzle 23



Puzzle 24