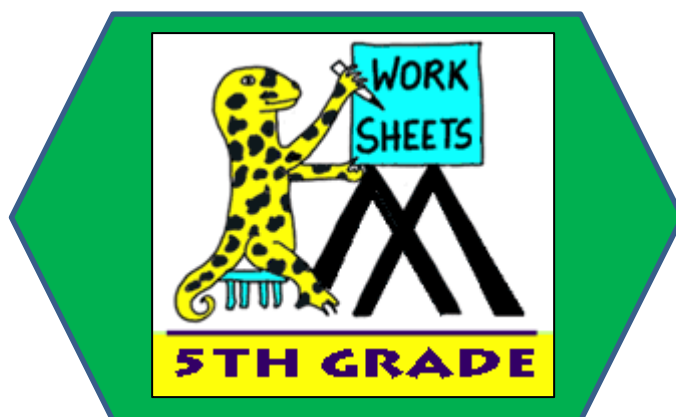
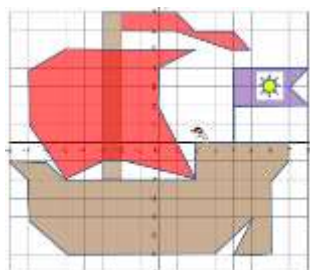


MATH SALAMANDERS

5th GRADE GRAB PACK 3

This pack is a selection of 10 Math sheets and one game designed especially for fifth graders. We have taken all the sheets from our 5th grade area on our site.



In the pack is a range of number sheets, coloring pages, and puzzles.

There is also an answer pack which you can download separately.

CONTENTS			
1	Big Number Column Addition Sheet 1	7	Decimals to Percents and Fractions 1
2	Birthday Bonanza	8	Magic Square Worksheet 4.3
3	Row of Coins Challenge 5A	9	Plot the Co-ordinates 1
4	Decimal Column Subtraction 3	10	Mental Math Quiz 5:3
5	Castle Line Symmetry	11	Fraction-Decimal Game
6	Place Value Riddles 5A		

Please give us feedback on our packs – both what you liked and what sheets you would like to see more of by leaving a comment on the link below.

<https://www.math-salamanders.com/math-grab-packs.html>



BIG NUMBER COLUMN ADDITION SHEET 1

$$\begin{array}{r} 1) \quad 6045173 \\ + \quad 2146185 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 1274538 \\ + \quad 6382714 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 3748295 \\ + \quad 2087537 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 7532961 \\ + \quad 673829 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 9024382 \\ + \quad 5839207 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 6473291 \\ + \quad 8372918 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 7384735 \\ + \quad 8372613 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4038291 \\ + \quad 637282 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8938271 \\ + \quad 5093872 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 3929271 \\ + \quad 1623829 \\ + \quad 637285 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 3829184 \\ + \quad 738294 \\ + \quad 2370383 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 5432987 \\ + \quad 216347 \\ + \quad 3782906 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 3204832 \\ + \quad 738721 \\ + \quad 1093763 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6291873 \\ + \quad 1028372 \\ + \quad 352604 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 6356213 \\ + \quad 4038267 \\ + \quad 1627392 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 2738284 \\ + \quad 827381 \\ + \quad 5472171 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 310390 \\ + \quad 7283912 \\ + \quad 847284 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 1928074 \\ + \quad 738212 \\ + \quad 3820567 \\ \hline \end{array}$$

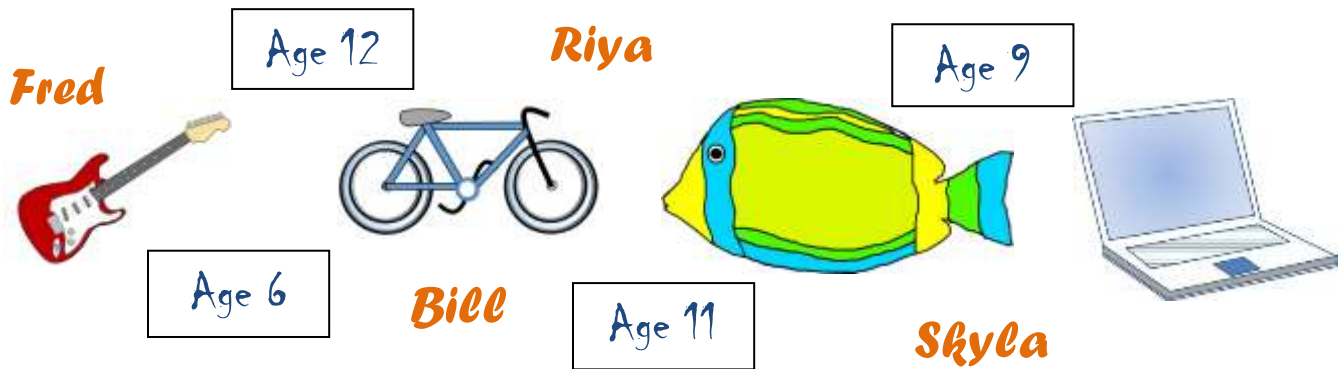


BIRTHDAY BONANZA

Fred, Bill, Skyla and Riya all have birthdays this month.

Their ages will be 6, 9, 11 and 12.

The presents they received are: a guitar, a bike, an aquarium and a laptop.



Use the clues below to find out who got what, and how old they were.

- 1) Riya, who is the second oldest, did not get a guitar.
- 2) The person who got the aquarium was the youngest person who is not Skyla.
- 3) The bike was given to an 11 year-old.
- 4) The laptop was given to the oldest person who is not Fred.
- 5) Skyla is not the oldest girl.

PERSON	AGE	PRESENT

Row of Coins Challenges 5A



Use the same coins (above) for both challenges.

CHALLENGE A

Put the coins above in a row so that:

- the total of the first 4 coins is 45¢.
- the total of the last 4 coins is 56¢.
- There are no quarters next to each other in the row.
- The second coin is worth 50% of the value of the third coin.

CHALLENGE B

Put the coins above in a row so that:

- The second and third coins add up to more than the rest of the coins put together.
- The fifth and sixth coins added together have the same value as the first coin.
- The lowest value coin is not at the start or end of the line.



DECIMAL COLUMN SUBTRACTION SHEET 3

$$\begin{array}{r} 1) \quad 6.928 \\ - 2.365 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 78.07 \\ - 43.55 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 91.24 \\ - 85.76 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 670.2 \\ - 158.8 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 5.037 \\ - 2.475 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 71.25 \\ - 67.89 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 30.37 \\ - 9.75 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 67.2 \\ - 38.45 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 4.172 \\ - 0.684 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 62.90 \\ - 37.67 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 8.730 \\ - 2.266 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 651.6 \\ - 281.3 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 8.403 \\ - 1.675 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 572.1 \\ - 485.3 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 79.83 \\ - 54.61 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 972.8 \\ - 565.4 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 7.021 \\ - 4.968 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 8.38 \\ - 3.725 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 40.08 \\ - 28.76 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 6.731 \\ - 3.482 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 4.506 \\ - 2.758 \\ \hline \end{array}$$

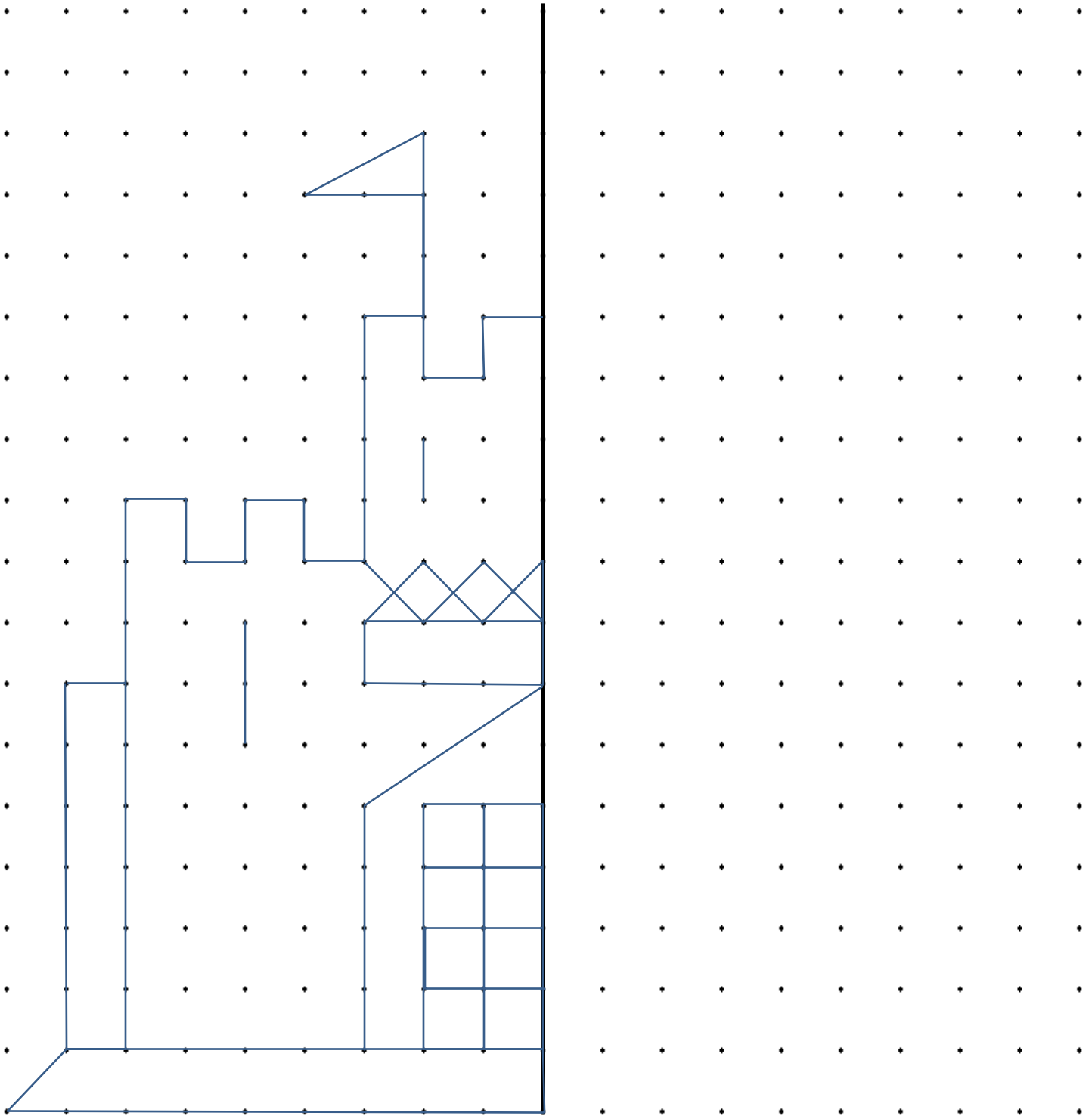
$$\begin{array}{r} 22) \quad 92.7 \\ - 16.49 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 80.02 \\ - 36.8 \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 7.206 \\ - 4.564 \\ \hline \end{array}$$



1 LINE SYMMETRY PICTURE CASTLE



PLACE VALUE RIDDLES 5A

Select the correct answer from a choice of 8 possibilities.

1) I am larger than 3 million.

I am less than $3\frac{1}{2}$ million.

My largest digit is my ten thousands digit.

I am a multiple of 5.

Who am I?

3,247,180	2,853,918	3,892,100	4,235,105
3,072,130	3,584,325	30,291,300	4,138,282

2) I am less than half a million.

My thousands digit is a multiple of 3.

I am more than a quarter of a million.

I am odd.

Who am I?

347,283	1,206,311	4,286,135	814,277
233,117	416,532	379,513	2,130,767



DECIMALS TO PERCENTS & FRACTIONS SHEET 1



DECIMAL	PERCENT	FRACTION
0.6	60%	$\frac{60}{100} = \frac{3}{5}$
0.2		
0.5		
0.25		
0.75		
0.12		
0.45		
0.42		
0.81		
0.47		
0.18		
0.04		
0.125		
0.39		
1.3		



MAGIC SQUARE WORKSHEET 4.3

In a magic square, each row, column and diagonal add up to the same total.
Can you fill in the missing numbers in these magic squares?

1) The sum is 34.

	2	16	
	13		6
1	8		15
14		5	

2) The sum is 68.

	24	2	
4		16	22
32	6	20	
			8

3) The sum is 340.

		160	
120		30	60
	80		150
140	110		40

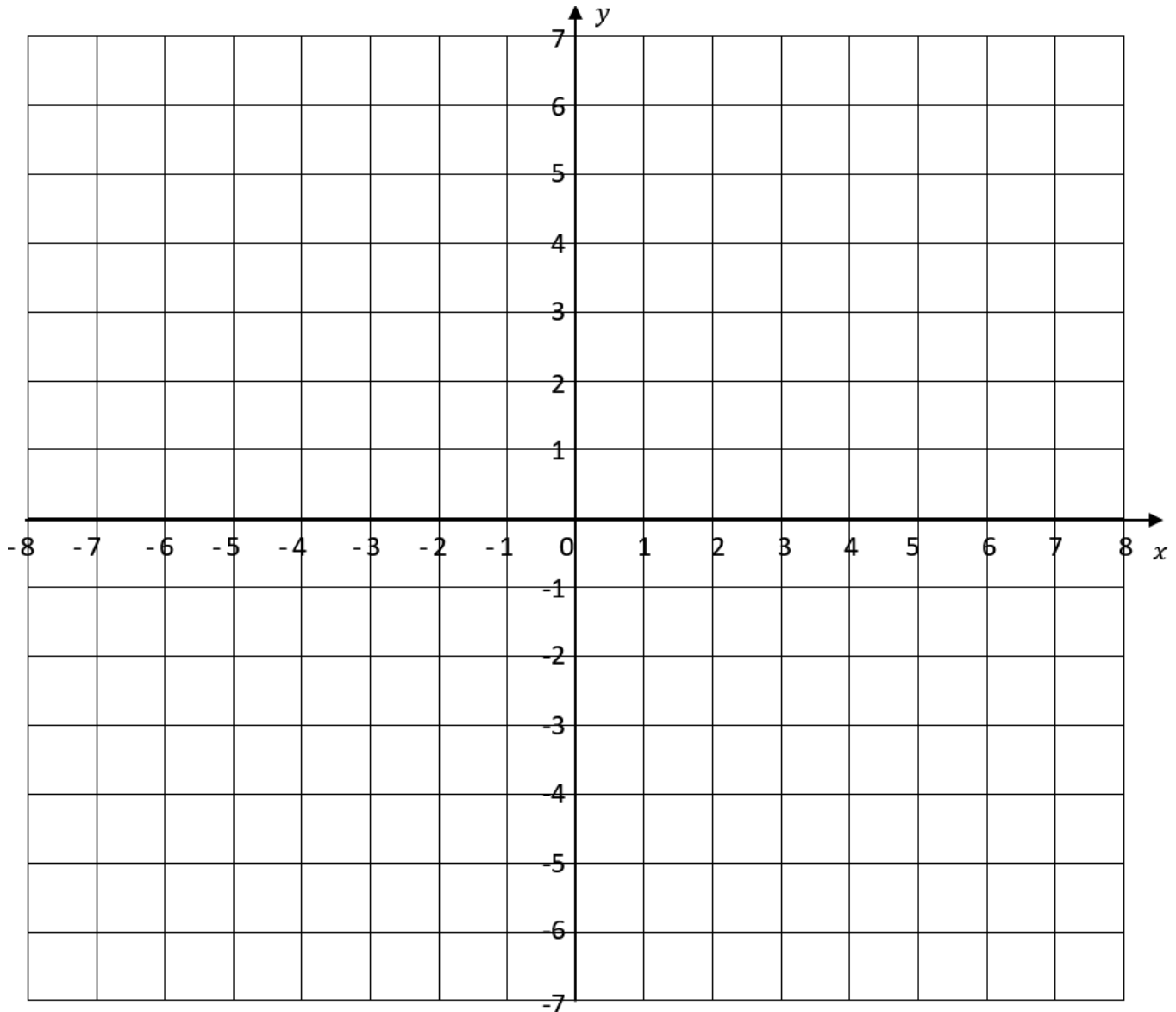
4) The sum is 102.

48	6	9	
	33		24
27			
	42	45	3



PLOT THE COORDINATES 1

Plot the coordinates below, joining each coordinate as you plot them. Shade each set of coordinates once you have finished joining all the sets up.



SET 1: Brown

$(-8, -1), (-7, -2), (-7, -4), (-5, -6), (3, -6), (5, -4), (4, -6), (6, -6), (6, -2), (7, -1), (7, 0), (2, 0), (2, -2), (-5, -2), (-6, -1), (-8, -1)$

SET 2: Choose your own design

$(-5, 5), (-7, 4), (-7, 1), (-5, -2), (-3, -1), (-2, -1), (2, -2), (0, 2), (0, 4), (2, 5), (-5, 5)$

SET 3: Brown

$(-3, -2), (-2, -2), (-2, 7), (-3, 7), (-3, -2)$

SET 4: Choose your own design

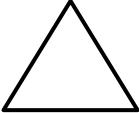
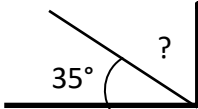
$(-2, 7), (1, 7), (2, 6), (4, 6), (5, 5), (4, 5), (1, 6), (-2, 6), (-2, 7)$

Set 8: Choose your own design

$(4, 0), (4, 4), (8, 4), (7, 3), (8, 2), (4, 2)$



MENTAL MATH QUIZ 5:3

1)	$\frac{1}{3} + \frac{1}{6}$	
2)	Convert $1\frac{3}{4}$ into a decimal	
3)	I am between 20 and 30. I am a multiple of both 3 and 4. Who am I?	
4)	Round 5.824 to the nearest whole number.	
5)	$4 \times 7 = 30 - \underline{\hspace{2cm}}$	
6)	Find $\frac{3}{7}$ of 35	
7)	The time is 7:35am. What is the time in the 24-hour clock?	
8)	Which is the largest ? 0.62 0.47 0.8 0.67 0.53 0.09	
9)	0.6×4	
10)	What is the median of: 35, 27, 51, 31, 28, 19, 33?	
11)	How many lines of symmetry? 	
12)	Captain has \$80. Flame has a \$20 bill plus seven \$5-dollar bills. How much more money does the Captain have?	
13)	How many inches is $5\frac{1}{2}$ feet?	
14)	Sally pays \$25 for two tubes of paint: a blue tube and a red tube. The blue tube cost \$7 more than the red tube. How much did each tube cost?	
15)	I am facing north-east. I turn a right angle clockwise. What direction am I facing now?	
16)	What is the missing angle? 	
17)	$0.73 + \underline{\hspace{2cm}} = 1$	
18)	If $x + 9 = 13$, what is the value of x ?	

FRACTION-DECIMAL GAME

The Fraction-Decimal game is designed to make children more aware of fraction-decimal equivalence. They have to create a fraction from the rolls of two dice and then convert this fraction into a decimal and find the decimal on the board.

Age range: 5th Grade +

Number of players: 2-4

Learning: Convert fractions to decimals, rounding to 3 decimal places

You will need

- 20 counters in different colors (one color per player)
- 2 dice
- A calculator

Instructions

- Player 1 throws both dice, and then chooses one of the numbers to be the numerator and the other to be the denominator of a fraction.
- Player 1 then tries to convert this number to a decimal mentally.
- Player 2 checks Player 1's decimal by dividing the numerator by the denominator using a calculator (and rounding to 3 decimal places where appropriate).
- If Player 1 is correct, they get to place their counter on the board covering the decimal up. If Player 1 is incorrect, it is Player 2's turn.
- Player 2 then takes their turn to roll both dice and convert their fraction into a decimal. Player 1 checks this on a calculator.
- The winner is the first player to get 3 counters in a row.

Variations

- The winner is the player with the most counters on the board after a certain time limit (or when the board is filled up with counters). This variation works better for 3 or 4 players.
- To make the game easier (or quicker), a player can choose one dice per turn to re-roll if they wish.
- To make the game even simpler and easier, players can say any fraction which matches a decimal on the board and cover it up, e.g. 'six-tenths matches 0.6'.
- In a 3 player game, one player can be a 'checker' and check the decimals are correct using a calculator.

FRACTION-DECIMAL GAME

Roll 2 dice. Choose one number for the numerator and one number for the denominator.

Now convert this fraction into a decimal!

Round your decimal to 3dp and cover part of the grid.

→

?

?

0.2	5	0.167	0.333	1	0.6
0.5	1.333	1.25	0.667	6	0.75
0.4	1.2	0.25	0.833	1.5	2
3	1.5	1.667	2.5	0.8	0.667
0.333	270	0.6	4	0.5	1.25

The first player to get three in a row is the winner!

