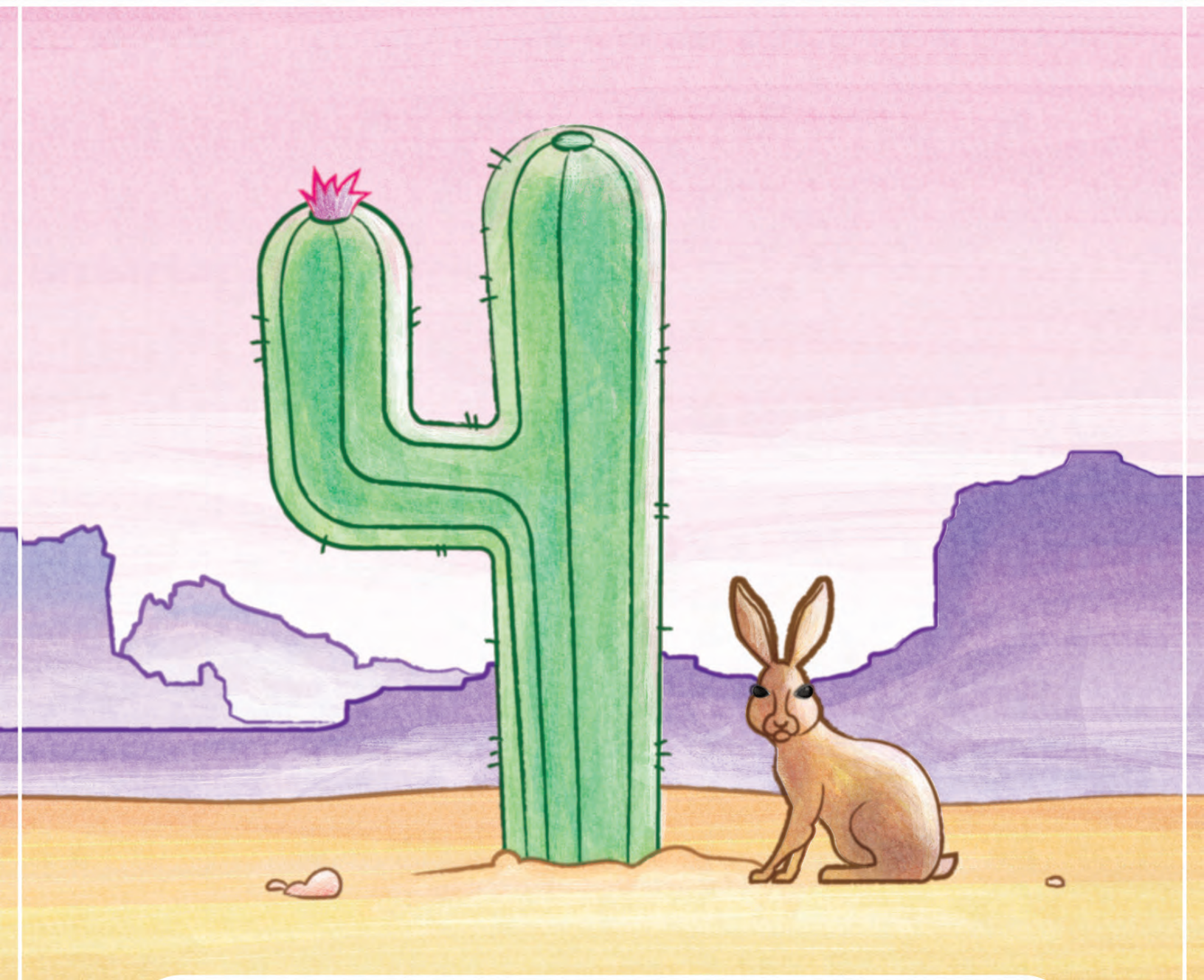
FOURTH GRADE MATH WITH CONFIDENCE

PART A



STUDENT WORKBOOK PART A

KATE SNOW

Lesson Activities

Concession Stand Menu

Chicken Sandwich	$8
Veggie Wrap	$8
Pizza Slice	$4
Hot Dog	$3
Chips	$3
Bottled Water	$2
Candy	$2

A

4 bottled waters
3 candies

Multiply, then add.

$(4 \times 2) + (3 \times 2) =$ ☐

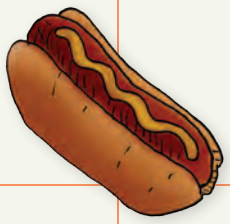
Add, then multiply.

$(4 + 3) \times 2 =$ ☐

B

3 chicken sandwiches
7 veggie wraps

5 hot dogs
4 chips



3 chicken sandwiches
3 bottled waters

5 pizza slices
5 chips

Practice

Complete. Then, match the equations with the same answer.

$(5 \times 8) + (1 \times 8) = \square$

$(4 + 5) \times 9 = \square$

$(6 \times 7) + (4 \times 7) = \square$

$(5 + 1) \times 8 = \square$

$(4 \times 8) + (4 \times 8) = \square$

$(6 + 4) \times 7 = \square$

$(4 \times 9) + (5 \times 9) = \square$

$(4 + 4) \times 8 = \square$

Complete the blanks to match the word problem. Then, solve.

Annika bought 8 boxes of chocolate chip granola bars and 2 boxes of peanut granola bars. Each box had 6 granola bars. How many granola bars did she buy?

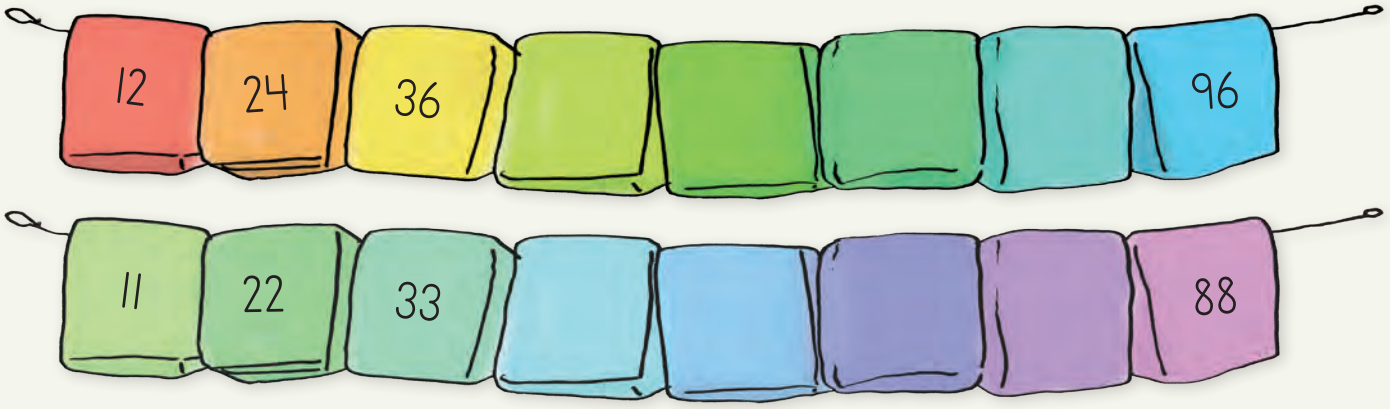
(☐ + ☐) × ☐ = ☐

Hakeem bought 7 paperback books and 7 hardcover books at the used book sale. The paperback books cost $4 each. The hardcover books cost $6 each. How much did he pay for the books?

(☐ + ☐) × ☐ = ☐

Review

Complete the sequences.

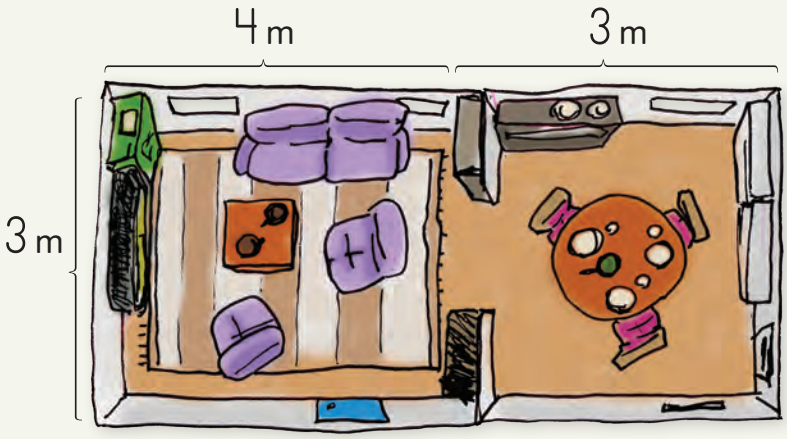


Use the diagram to answer the questions.

What is the area of the living room?

What is the area of the dining room?

What is the total area of both rooms?



Complete.

$(20 + 40) + 30 =$ ☐

$20 + (40 + 30) =$ ☐

$(50 - 30) + 20 =$ ☐

$50 - (30 + 20) =$ ☐

$(2 \times 3) \times 5 =$ ☐

$2 \times (3 \times 5) =$ ☐

Complete.

$7 \times 8 =$ ☐

$70 \times 8 =$ ☐

$7 \times 800 =$ ☐

$7 \times 8{,}000 =$ ☐

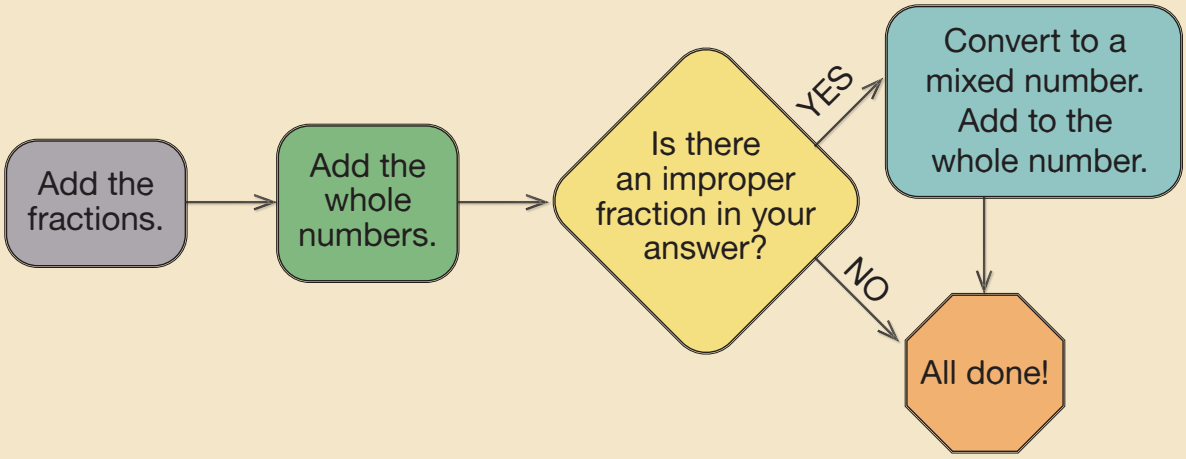
$8 \times 70 =$ ☐

$80 \times 70 =$ ☐

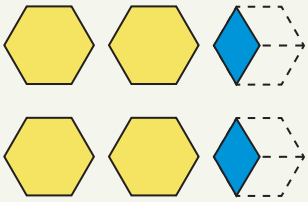
Lesson Activities

A

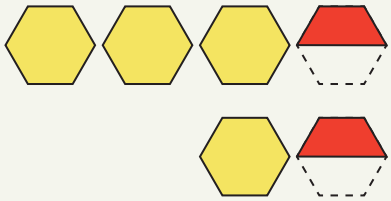
Mixed Number Addition Algorithm



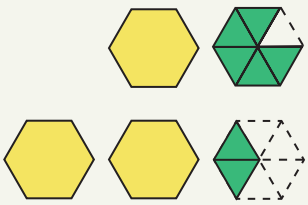
	2	$\frac{1}{3}$
+	2	$\frac{1}{3}$



	3	$\frac{1}{2}$
+	1	$\frac{1}{2}$



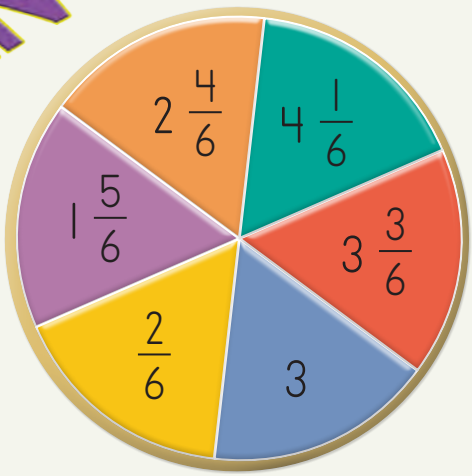
	1	$\frac{5}{6}$
+	2	$\frac{2}{6}$



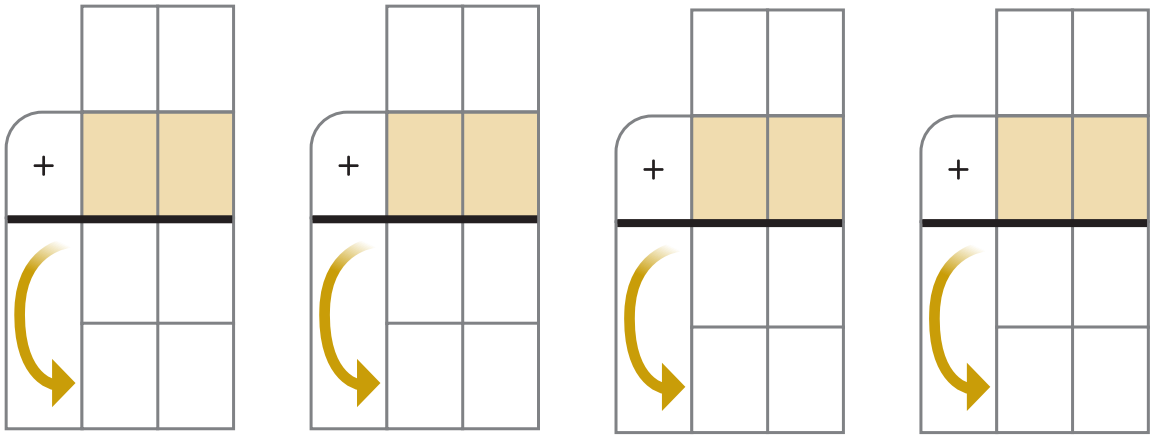
	1	$\frac{5}{8}$
+	2	$\frac{5}{8}$

B

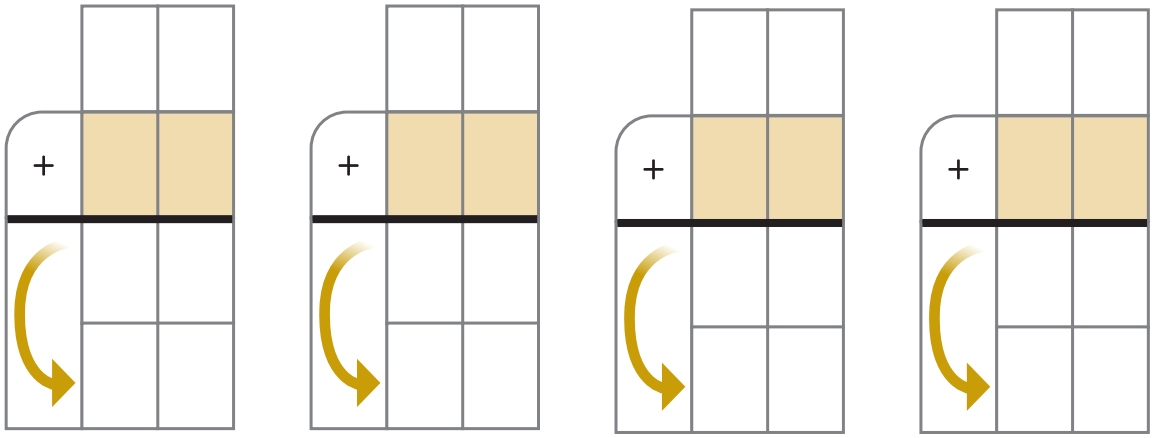
SPIN TO WIN!



Player 1



Player 2



Practice

Complete.

	2	$\frac{3}{8}$
+	4	$\frac{7}{8}$

	2	$\frac{7}{10}$
+	1	$\frac{2}{10}$

	6	$\frac{3}{4}$
+	2	$\frac{2}{4}$

	3	$\frac{3}{5}$
+	2	$\frac{2}{5}$

Review

Write a fraction to complete each equation. Then, convert the fraction to a mixed number or whole number.

$4 \times \frac{2}{5} = \frac{8}{5} = 1\frac{3}{5}$

$2 \times \frac{4}{6} = \square = \square$

$3 \times \frac{3}{8} = \square = \square$

$6 \times \frac{2}{3} = \square = \square$

Use the clues to find the secret number.

- The number has 6 digits.
- There is a 5 in the thousands place.
- There is a 6 in the ten thousands place.
- The sum of the digit in the tens place and the digit in the thousands place is 8.
- The product of the digit in the tens place and the digit in the ones place is 27.
- The digit in the ones place is the same as the digit in the hundreds place.
- The number is greater than 400,000 and less than 500,000.

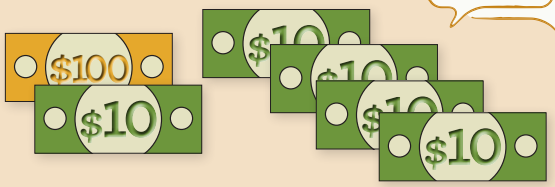
Secret Number: | | | | | | |

Lesson Activities

A

$80 \div 4 =$ ☐

8 tens $\div 4 =$ ☐ tens



$150 \div 5 =$ ☐

15 tens $\div 5 =$ ☐ tens

$90 \div 3 =$ ☐

$60 \div 2 =$ ☐

$100 \div 5 =$ ☐

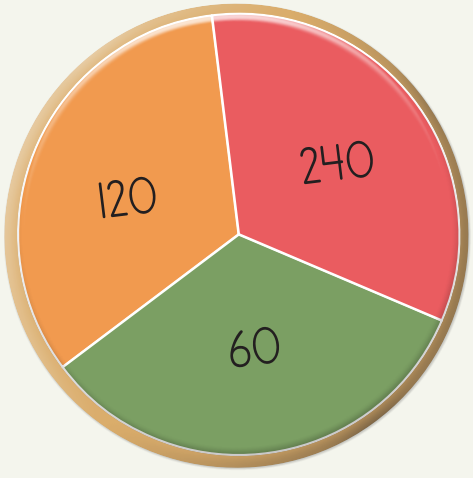
$160 \div 8 =$ ☐

$180 \div 6 =$ ☐

$240 \div 4 =$ ☐

B

MENTAL MATH ARCADE



Practice

Color the problems that equal the number in the star.

20	30	40	50
80 ÷ 4	80 ÷ 4	80 ÷ 2	200 ÷ 2
90 ÷ 3	60 ÷ 2	120 ÷ 3	100 ÷ 2
60 ÷ 3	90 ÷ 3	80 ÷ 4	200 ÷ 4

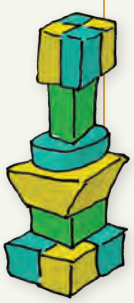
Match.

180 ÷ 3	50	420 ÷ 6
320 ÷ 4	60	400 ÷ 8
210 ÷ 3	70	540 ÷ 6
250 ÷ 5	80	360 ÷ 6
360 ÷ 4	90	400 ÷ 5

Solve. Write the equations you use.

Oscar has 90 building blocks. He uses all the blocks to build 3 identical towers. How many blocks are in each tower?

Raya has 80 feet of rope. She cuts the rope into 4-foot-long pieces. How many pieces does she make?



Review

Write a fraction to complete each equation. Convert the fraction to a whole number or mixed number if possible.

$6 \times \frac{1}{5} = \boxed{\frac{6}{5}} = \boxed{1\frac{1}{5}}$

$12 \times \frac{1}{4} = \boxed{} = \boxed{}$

$9 \times \frac{2}{10} = \boxed{} = \boxed{}$

$10 \times \frac{7}{10} = \boxed{} = \boxed{}$

Match.

7 thousands	70	70 tens
7 tens	700	70 ones
7 hundreds	7,000	70 thousands
7 ten thousands	70,000	70 hundreds

Complete.

	6	8	0	9	4
+	5	1	6	2	8

	6	8	0	9	4
-	5	1	6	2	8

Complete.

$(10 \times 8) + (2 \times 8) = \boxed{}$

$(7 \times 8) + (5 \times 8) = \boxed{}$

$(6 \times 8) + (6 \times 8) = \boxed{}$

$(8 \times 8) + (4 \times 8) = \boxed{}$

Lesson Activities

A

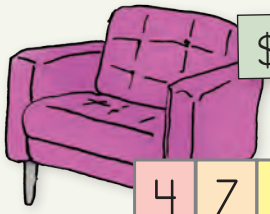
How much do 3 lamps cost?

	1	4	2
×			3

How much do 3 bookshelves cost?

	2	8	6
×			3

How much do 2 armchairs cost?



	4	7	0
×			2

How much do 8 chairs cost?

	1	5	3
×			8

B

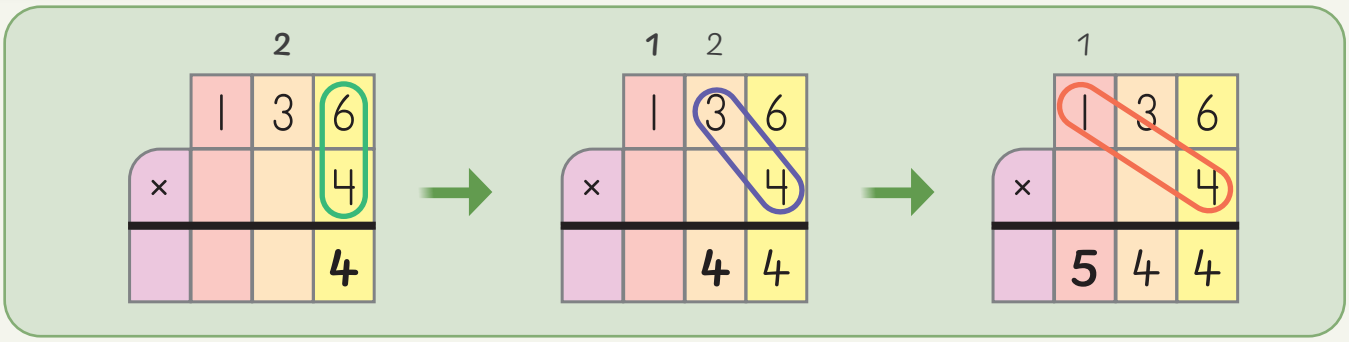
Snowball Fight

275 302 187 435 230 314 199 249

Player 1	× 3	× 4	× 5	× 6
Player 2	× 3	× 4	× 5	× 6

Practice

Complete.



4 2 2 × 2	1 0 6 × 5	1 6 7 × 5	3 0 0 × 3
3 7 0 × 2	1 4 8 × 6	2 0 7 × 4	3 2 1 × 3

Use the price list to solve. Write the equations you use.

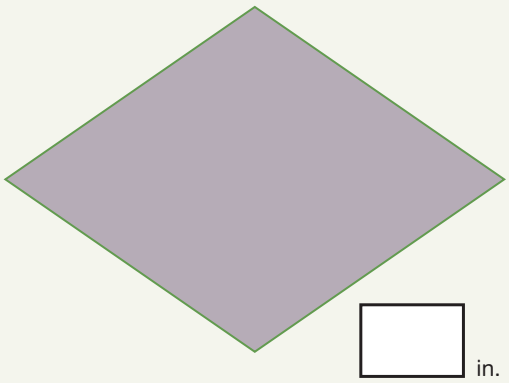
How much do 4 small rugs cost?

How much do 3 large rugs cost?

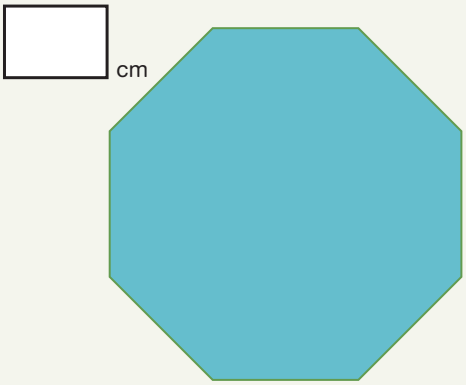
★ How much do 3 large rugs and 2 side tables cost?

Review

Find the length of the missing sides.
All the sides of each shape are equal.



Perimeter: 120 in.



Perimeter: 400 cm

Complete.

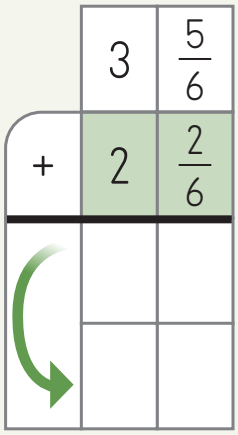
$48 \div 6 =$ ☐

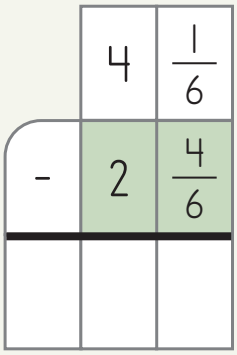
$480 \div 6 =$ ☐

$4{,}800 \div 6 =$ ☐

$48{,}000 \div 6 =$ ☐

Complete.





Round each number to the underlined place. Use the number line to help.

$30{,}572 \approx$ ☐

$30{,}371 \approx$ ☐

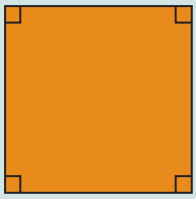
$29{,}865 \approx$ ☐

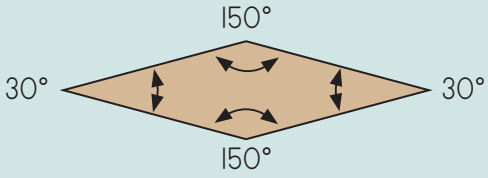
$29{,}099 \approx$ ☐

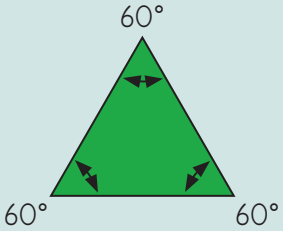
Lesson Activities

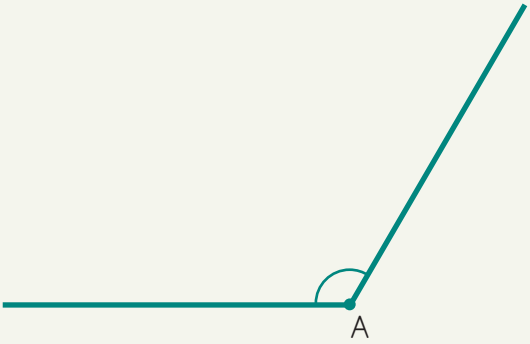
A

Pattern Block Angles



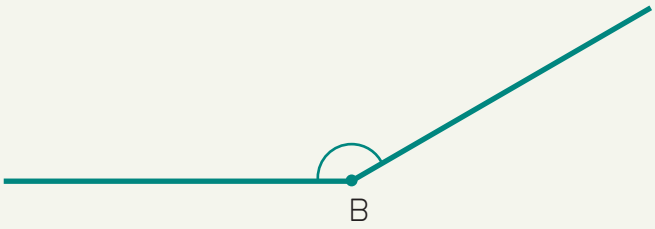






Equations

$m\angle A =$ _____



Equations

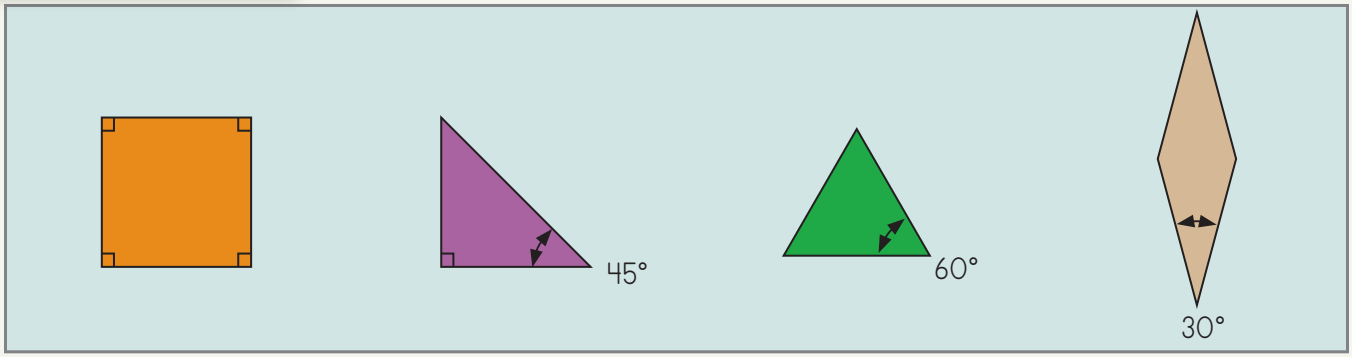
$m\angle B =$ _____

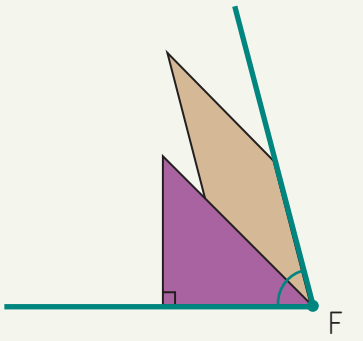
Equations

$m\angle C =$ _____

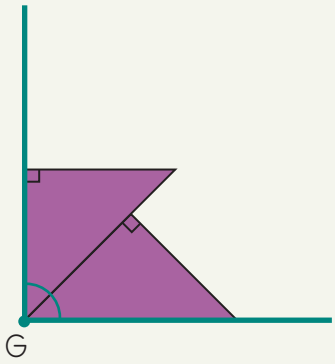
Practice

Use the labeled angles to find the missing angle measures.

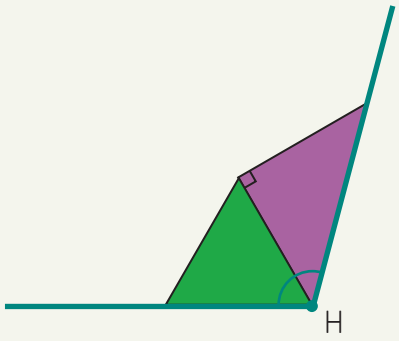




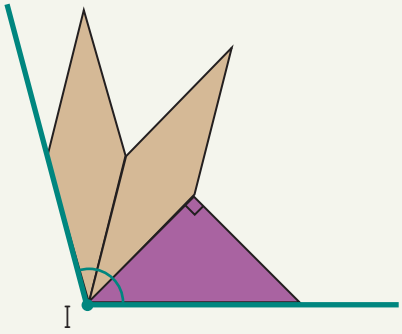
$m\angle F$ = ____



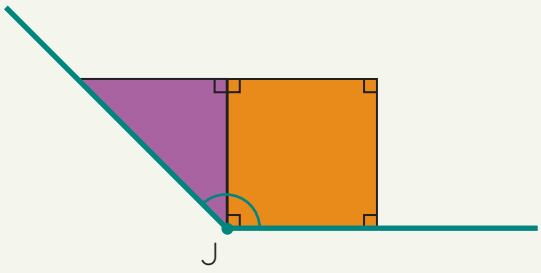
$m\angle G$ = ____



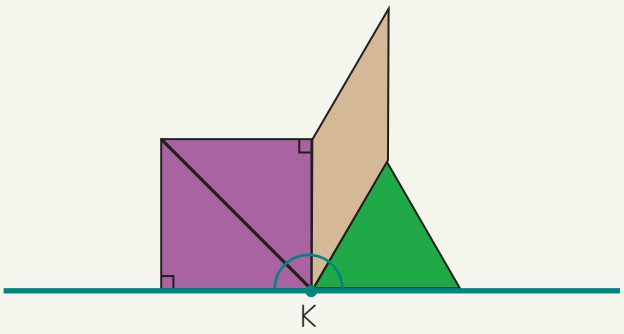
$m\angle H$ = ____



$m\angle I$ = ____



$m\angle J$ = ____



$m\angle K$ = ____

Review

Complete.

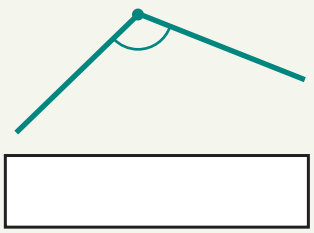
	8	4	5
×			7

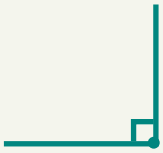
	9	3	7
×			4

	8	2	5
×			8

	7	0	7
×			7

Write whether each angle is acute, right, obtuse, or straight.



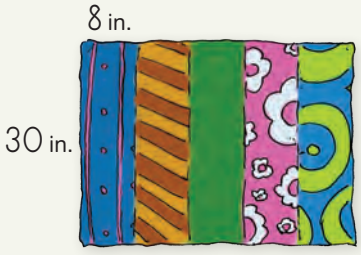


Circle the prime numbers. X the composite numbers.

15	16	17	18
19	20	21	22
23	24	25	26
27	28	29	30

Solve. Write the equations you use.

Evie sews together 5 pieces of fabric to make a blanket. Each piece of fabric is 30 in. long and 8 in. wide. What is the total area of the blanket?



Eliana's backyard is shaped like a square. Each side is 76 feet long.
What is the perimeter of her yard?