

NC8-4

- 8 Shade all the composite numbers. What does the shading make?

4	11	18	32	6
51	41	36	2	31
49	3	40	14	45
26	53	27	19	29
33	61	57	23	7



NC8-4

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51	41	36	2	31
49	3	40	14	45
26	53	27	19	29
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NC8-4

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4	11	18	32	6
51	41	36	2	31
49	3	40	14	45
26	53	27	19	29
33	61	57	23	7



NC8–13

**Practical – What am
I divisible by?**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

NC8–13

**Practical – What am
I divisible by?**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

NC8–15

Puzzle

Put the numbers 1, 2, 6, 8 and 9 in the boxes to make this true.

$$\square \square \square \div \square \square = 58$$

NC8–15

Puzzle

Put the numbers 1, 2, 6, 8 and 9 in the boxes to make this true.

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NC8–15

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Put the numbers 1, 2, 6, 8 and 9 in the boxes to make this true.

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NC8–15

Puzzle

Put the numbers 1, 2, 6, 8 and 9 in the boxes to make this true.

$$\square \square \square \div \square \square = 58$$

NC8–17

Puzzle

What question can you never answer yes to?

Find the letter beside each question. Put the letter on the line above the answer.
The first one has been done for you.

$\overline{118.75}$	$\overline{78\frac{2}{3}}$	$\overline{62.8}$	$\overline{48.75}$	$\overline{178.25}$	$\overline{202\frac{2}{3}}$	$\overline{118.75}$	S $\overline{136.5}$	$\overline{28\frac{4}{9}}$	$\overline{62.8}$	$\overline{62.8}$	$\overline{93\frac{8}{9}}$
$\overline{48.75}$	$\overline{62.8}$	$\overline{57.2}$	?								

S $546 \div 4 = 136.5$ **R** $472 \div 6 = \underline{\hspace{2cm}}$ **T** $286 \div 5 = \underline{\hspace{2cm}}$ **U** $608 \div 3 = \underline{\hspace{2cm}}$

E $314 \div 5 = \underline{\hspace{2cm}}$ **Y** $390 \div 8 = \underline{\hspace{2cm}}$ **P** $845 \div 9 = \underline{\hspace{2cm}}$ **O** $713 \div 4 = \underline{\hspace{2cm}}$

L $256 \div 9 = \underline{\hspace{2cm}}$ **A** $950 \div 8 = \underline{\hspace{2cm}}$

NC8–17

Puzzle

What question can you never answer yes to?

Find the letter beside each question. Put the letter on the line above the answer.
The first one has been done for you.

$\overline{118.75}$	$\overline{78\frac{2}{3}}$	$\overline{62.8}$	$\overline{48.75}$	$\overline{178.25}$	$\overline{202\frac{2}{3}}$	$\overline{118.75}$	S $\overline{136.5}$	$\overline{28\frac{4}{9}}$	$\overline{62.8}$	$\overline{62.8}$	$\overline{93\frac{8}{9}}$
$\overline{48.75}$	$\overline{62.8}$	$\overline{57.2}$	?								

S $546 \div 4 = 136.5$ **R** $472 \div 6 = \underline{\hspace{2cm}}$ **T** $286 \div 5 = \underline{\hspace{2cm}}$ **U** $608 \div 3 = \underline{\hspace{2cm}}$

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L $256 \div 9 = \underline{\hspace{2cm}}$ **A** $950 \div 8 = \underline{\hspace{2cm}}$

NC8–20

Puzzle

Find a path from the bottom of this pyramid to the top.
Always move into a square which has a smaller integer.
You may not move sideways.
Find as many as possible.



10 paths	Excellent
8 paths	Very good
6 paths	Good
4 paths	Keep trying

NC8–20

Puzzle

Find a path from the bottom of this pyramid to the top.
Always move into a square which has a smaller integer.
You may not move sideways.
Find as many as possible.



10 paths	Excellent
8 paths	Very good
6 paths	Good
4 paths	Keep trying

NC8–22

6

$$\frac{15}{24} \quad \frac{35}{50} \quad \frac{24}{36} \quad \overset{\text{A}}{\frac{2}{4}} \quad \frac{12}{45} \quad \frac{24}{64} \quad \frac{12}{27} \quad \overset{\text{A}}{\frac{2}{4}} \quad \frac{12}{45} \quad \frac{60}{100}$$

$$\overset{\text{A}}{\frac{2}{4}} \quad \frac{12}{45} \quad \frac{12}{27} \quad \frac{24}{36} \quad \frac{12}{27} \quad \frac{5}{9} \quad \frac{12}{48} \quad - \quad \frac{3}{4} \quad \overset{\text{A}}{\frac{2}{4}} \quad \frac{28}{28} \quad \frac{4}{5} \quad \frac{12}{27} \quad \frac{4}{5}$$

Write the letter beside each fraction, above an equivalent fraction in the box.

A $\frac{1}{2} = \frac{2}{4}$

S $\frac{3}{5} = \underline{\hspace{1cm}}$

L $\frac{2}{3} = \underline{\hspace{1cm}}$

D $\frac{12}{15} = \underline{\hspace{1cm}}$

N $1 = \underline{\hspace{1cm}}$

T $\frac{25}{100} = \underline{\hspace{1cm}}$

E $\frac{4}{9} = \underline{\hspace{1cm}}$

P $\frac{5}{8} = \underline{\hspace{1cm}}$

O $\frac{7}{10} = \underline{\hspace{1cm}}$

R $\frac{4}{15} = \underline{\hspace{1cm}}$

B $\frac{6}{16} = \underline{\hspace{1cm}}$

F $\frac{45}{81} = \underline{\hspace{1cm}}$

H $\frac{48}{64} = \underline{\hspace{1cm}}$

NC8–22

6

$$\frac{15}{24} \quad \frac{35}{50} \quad \frac{24}{36} \quad \overset{\text{A}}{\frac{2}{4}} \quad \frac{12}{45} \quad \frac{24}{64} \quad \frac{12}{27} \quad \overset{\text{A}}{\frac{2}{4}} \quad \frac{12}{45} \quad \frac{60}{100}$$

$$\overset{\text{A}}{\frac{2}{4}} \quad \frac{12}{45} \quad \frac{12}{27} \quad \frac{24}{36} \quad \frac{12}{27} \quad \frac{5}{9} \quad \frac{12}{48} \quad - \quad \frac{3}{4} \quad \overset{\text{A}}{\frac{2}{4}} \quad \frac{28}{28} \quad \frac{4}{5} \quad \frac{12}{27} \quad \frac{4}{5}$$

Write the letter beside each fraction, above an equivalent fraction in the box.

A $\frac{1}{2} = \frac{2}{4}$

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L $\frac{2}{3} = \underline{\hspace{1cm}}$

D $\frac{12}{15} = \underline{\hspace{1cm}}$

N $1 = \underline{\hspace{1cm}}$

T $\frac{25}{100} = \underline{\hspace{1cm}}$

E $\frac{4}{9} = \underline{\hspace{1cm}}$

P $\frac{5}{8} = \underline{\hspace{1cm}}$

O $\frac{7}{10} = \underline{\hspace{1cm}}$

R $\frac{4}{15} = \underline{\hspace{1cm}}$

B $\frac{6}{16} = \underline{\hspace{1cm}}$

F $\frac{45}{81} = \underline{\hspace{1cm}}$

H $\frac{48}{64} = \underline{\hspace{1cm}}$

NC8-22

8 Write the letter that is beside the question above its answer.

$9\frac{1}{3}$	$\frac{20}{3}$	$8\frac{1}{7}$	$\frac{52}{7}$	$\frac{71}{9}$	E $5\frac{3}{5}$	$8\frac{5}{6}$	$8\frac{1}{7}$	$8\frac{4}{9}$	$6\frac{7}{8}$	$8\frac{5}{6}$	E $5\frac{3}{5}$	$\frac{9}{2}$	$\frac{20}{3}$	E $5\frac{3}{5}$	$8\frac{1}{7}$	$6\frac{7}{8}$	E $5\frac{3}{5}$	$8\frac{4}{9}$	$6\frac{7}{8}$
$10\frac{3}{10}$	E $5\frac{3}{5}$	$\frac{52}{7}$	$\frac{9}{2}$	$6\frac{7}{8}$	$8\frac{5}{6}$	$9\frac{5}{6}$	$9\frac{1}{3}$	$\frac{37}{3}$	$8\frac{1}{7}$	$\frac{49}{9}$	E $5\frac{3}{5}$	$\frac{23}{6}$	$\frac{20}{3}$	$9\frac{5}{6}$	$8\frac{1}{7}$	$\frac{23}{6}$	$8\frac{4}{9}$		

Write these as mixed numbers.

E $\frac{28}{5} = 5\frac{3}{5}$	A $\frac{57}{7} =$ _____	T $\frac{55}{8} =$ _____	H $\frac{53}{6} =$ _____
S $\frac{76}{9} =$ _____	L $\frac{103}{10} =$ _____	O $\frac{59}{6} =$ _____	F $\frac{84}{9} =$ _____

Write these as improper fractions.

G $4\frac{1}{2} =$ _____	R $6\frac{2}{3} =$ _____	D $3\frac{5}{6} =$ _____	N $7\frac{3}{7} =$ _____
V $5\frac{4}{9} =$ _____	C $7\frac{8}{9} =$ _____	P $12\frac{1}{3} =$ _____	

NC8-22

8 Write the letter that is beside the question above its answer.

$9\frac{1}{3}$	$\frac{20}{3}$	$8\frac{1}{7}$	$\frac{52}{7}$	$\frac{71}{9}$	E $5\frac{3}{5}$	$8\frac{5}{6}$	$8\frac{1}{7}$	$8\frac{4}{9}$	$6\frac{7}{8}$	$8\frac{5}{6}$	E $5\frac{3}{5}$	$\frac{9}{2}$	$\frac{20}{3}$	E $5\frac{3}{5}$	$8\frac{1}{7}$	$6\frac{7}{8}$	E $5\frac{3}{5}$	$8\frac{4}{9}$	$6\frac{7}{8}$
$10\frac{3}{10}$	E $5\frac{3}{5}$	$\frac{52}{7}$	$\frac{9}{2}$	$6\frac{7}{8}$	$8\frac{5}{6}$	$9\frac{5}{6}$	$9\frac{1}{3}$	$\frac{37}{3}$	$8\frac{1}{7}$	$\frac{49}{9}$	E $5\frac{3}{5}$	$\frac{23}{6}$	$\frac{20}{3}$	$9\frac{5}{6}$	$8\frac{1}{7}$	$\frac{23}{6}$	$8\frac{4}{9}$		

Write these as mixed numbers.

E $\frac{28}{5} = 5\frac{3}{5}$	A $\frac{57}{7} =$ _____	T $\frac{55}{8} =$ _____	H $\frac{53}{6} =$ _____
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Write these as improper fractions.

G $4\frac{1}{2} =$ _____	R $6\frac{2}{3} =$ _____	D $3\frac{5}{6} =$ _____	N $7\frac{3}{7} =$ _____
V $5\frac{4}{9} =$ _____	C $7\frac{8}{9} =$ _____	P $12\frac{1}{3} =$ _____	

NC8-34

5 Write the letter beside each calculation above its answer.

$$\begin{array}{r} \text{I} \\ \hline 62.56 \quad 967.2 \quad 20.13 \quad 76.941 \quad 476.52 \quad 8.736 \quad 130.2 \quad 14.82 \quad 8.736 \quad 51.72 \quad 20.13 \end{array}$$

$$\begin{array}{r} \text{I} \\ \hline 33.18 \quad 52.08 \quad 29.12 \quad 3.249 \quad 20.13 \quad 52.08 \quad 22.568 \quad 29.12 \quad 130.2 \quad 14.82 \quad 51.72 \end{array}$$

$$\begin{array}{r} \hline 103.25 \quad 33.18 \quad 967.2 \quad 62.56 \quad 8.736 \quad 51.72 \quad 76.941 \quad 8.736 \quad 20.13 \quad 52.08 \quad 62.56 \quad 14.82 \end{array}$$

$$\begin{array}{r} \text{I} \\ \hline 130.2 \quad 52.08 \quad 8.736 \quad 51.72 \quad 20.13 \quad 29.12 \quad 20.13 \quad 8.736 \quad 8.736 \quad 20.13 \quad 967.2 \quad 14.82 \end{array}$$

$$\begin{array}{r} \hline 476.52 \quad 8.736 \end{array}$$

$$\text{I } 186 \times 0.7 = 130.2 \quad \text{Y } 3.61 \times 0.9 = \quad \text{N } 14 \times 3.72 = \quad \text{H } 4.31 \times 12 =$$

$$\text{S } 2.6 \times 5.7 = \quad \text{E } 18.3 \times 1.1 = \quad \text{O } 1.58 \times 21 = \quad \text{D } 2.72 \times 23 =$$

$$\text{W } 41.3 \times 2.5 = \quad \text{L } 16 \times 1.82 = \quad \text{G } 4.03 \times 5.6 = \quad \text{A } 9.27 \times 8.3 =$$

$$\text{R } 186 \times 5.2 = \quad \text{T } 3.64 \times 2.4 = \quad \text{M } 83.6 \times 5.7 =$$

NC8-34

5 Write the letter beside each calculation above its answer.

$$\begin{array}{r} \text{I} \\ \hline 62.56 \quad 967.2 \quad 20.13 \quad 76.941 \quad 476.52 \quad 8.736 \quad 130.2 \quad 14.82 \quad 8.736 \quad 51.72 \quad 20.13 \end{array}$$

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$$\text{R } 186 \times 5.2 = \quad \text{T } 3.64 \times 2.4 = \quad \text{M } 83.6 \times 5.7 =$$

NC8-48

9

E3a4a8a7a7a12a13a5a3a9a9a2a3a4a

-

11a2a18a13a11a10a11a6a8a**E**a3a15a12a9a4a

Simplify these expressions. Write the letter that is beside each expression above the answer.

E $9a + 3a = 12a$

O $9a - a =$ _____

N $4a + 11a =$ _____

P $7a - 6a =$ _____

H $10a - 8a =$ _____

B $8a - 3a =$ _____

I $9a + 2a + 7a =$ _____

Y $9a + 3a - 2a =$ _____

T $10a + 4a - 3a =$ _____

W $11a + 2a - 7a =$ _____

A $16a - 7a - 6a =$ _____

R $15a - a - a =$ _____

S $20a - 11a - 5a =$ _____

C $19a - 5a - 7a =$ _____

L $17a - 6a - 2a =$ _____

NC8-48

9

E3a4a8a7a7a12a13a5a3a9a9a2a3a4a

-

11a2a18a13a11a10a11a6a8a**E**a3a15a12a9a4a

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H $10a - 8a =$ _____

B $8a - 3a =$ _____

I $9a + 2a + 7a =$ _____

Y $9a + 3a - 2a =$ _____

T $10a + 4a - 3a =$ _____

W $11a + 2a - 7a =$ _____

A $16a - 7a - 6a =$ _____

R $15a - a - a =$ _____

S $20a - 11a - 5a =$ _____

C $19a - 5a - 7a =$ _____

L $17a - 6a - 2a =$ _____

Write each expression below without brackets. Find your answer in the box. Cross out the letter above it.

What three word sentence do the letters that are left make?

$$6(n + 6) = \underline{\hspace{2cm}} \qquad 8(n + 1) = \underline{\hspace{2cm}}$$

C	R	A	A	T	Y	S	F	I	C	S	A	N	H	T	E	V	O	A	M	T	I	T
$3n + 18$	$9n + 12$	$5n + 40$	$3n + 9$	$4n + 3$	$4n + 12$	$3n + 6$	$8n + 8$	$7n + 35$	$8n + 1$	$10n + 40$	$9n + 3$	$7n + 5$	$9n + 27$	$5n + 8$	$36n + 36$	$10n + 4$	$10n + 14$	$6n + 36$	$36n + 1$	$2n + 8$	$2n + 4$	$4n + 7$

Answer: _____



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What three word sentence do the letters that are left make?

$$6(n + 6) = \underline{\hspace{2cm}} \qquad 8(n + 1) = \underline{\hspace{2cm}}$$

C	R	A	A	T	Y	S	F	I	C	S	A	N	H	T	E	V	O	A	M	T	I	T
$3n + 18$	$9n + 12$	$5n + 40$	$3n + 9$	$4n + 3$	$4n + 12$	$3n + 6$	$8n + 8$	$7n + 35$	$8n + 1$	$10n + 40$	$9n + 3$	$7n + 5$	$9n + 27$	$5n + 8$	$36n + 36$	$10n + 4$	$10n + 14$	$6n + 36$	$36n + 1$	$2n + 8$	$2n + 4$	$4n + 7$

Answer: _____

NC8–50

Game – Make it match (page 1 of 2)

$$4 \times n$$

$$4n + 16$$

$$2n + 4n$$

$$\frac{n}{2}$$

$$n \times n$$

$$n \div 2$$

$$5n$$

$$\frac{n}{3}$$

$$8 \times n$$

$$8n - 7n$$

$$n \div 3$$

$$6n$$

$$6 \times n + 1$$

$$4(n + 4)$$

$$\frac{3n}{n}$$

$$3n + 3$$

$$5n + 1$$

$$n^2$$

NC8–50

Game – Make it match (page 2 of 2)

$$2 \times n$$

$$3$$

$$6n + 1$$

$$4n + n$$

$$8n$$

$$8$$

$$n$$

$$2n$$

$$4n - n + 3$$

$$4n$$

$$12n$$

$$5 \times n + 1$$

$$6n + 1$$

$$\frac{8n}{n}$$

$$3n + 6$$

$$3(n + 2)$$

$$\frac{24n}{2}$$

2

A

$$2 \quad 10 \quad 12 \quad \frac{3x}{2} \quad \frac{9x}{2} \quad \frac{3x}{2} \quad 6x \quad 1 \quad 12 \quad \frac{3x}{2} \quad 8x \quad 10x \quad \frac{3x}{2}$$

$6x$	1	$3x$	$\frac{3x}{2}$	$6x$	$7x$	$2x$	$\frac{3x}{2}$	6	12	2	$3x$	$\frac{5x}{2}$	$7x$	12	$8x$	$10x$
------	-----	------	----------------	------	------	------	----------------	-----	------	-----	------	----------------	------	------	------	-------

A $\frac{x}{x} = 1$ **O** $\frac{2w}{w} = \underline{\hspace{2cm}}$ **F** $\frac{6x}{x} = \underline{\hspace{2cm}}$ **U** $\frac{10x}{x} = \underline{\hspace{2cm}}$ **R** $\frac{12x}{x} = \underline{\hspace{2cm}}$

o $\frac{2w}{w} =$ _____

F $\frac{6x}{x} =$ _____

U $\frac{10x}{x} =$ _____

R $\frac{12x}{x} =$ _____

M $\frac{6x}{2} =$ _____

Z $\frac{20x}{10} =$ _____

H $\frac{20x}{2} =$ _____

T $\frac{24x}{3} =$ _____

S $\frac{30x}{5} = \underline{\hspace{2cm}}$

I $\frac{42x}{6} = \underline{\hspace{2cm}}$

B $\frac{20x}{8} =$ _____

E $\frac{24x}{16} =$ _____

y $\frac{63x}{14} =$ _____

2

A

2	10	12	$\frac{3x}{2}$	$\frac{9x}{2}$	$\frac{3x}{2}$	6x	1	12	$\frac{3x}{2}$	8x	10x	$\frac{3x}{2}$
---	----	----	----------------	----------------	----------------	----	---	----	----------------	----	-----	----------------



$6x$	1	$3x$	$\frac{3x}{2}$	$6x$	$7x$	$2x$	$\frac{3x}{2}$	6	12	2	$3x$	$\frac{5x}{2}$	$7x$	12	$8x$	$10x$
------	-----	------	----------------	------	------	------	----------------	-----	------	-----	------	----------------	------	------	------	-------

A $\frac{x}{x} = 1$ **O** $\frac{2w}{w} = \underline{\hspace{2cm}}$ **F** $\frac{6x}{x} = \underline{\hspace{2cm}}$ **U** $\frac{10x}{x} = \underline{\hspace{2cm}}$ **R** $\frac{12x}{x} = \underline{\hspace{2cm}}$

o $\frac{2w}{w} =$ _____

F $\frac{6x}{x} =$ _____

U $\frac{10x}{x} =$ _____

R $\frac{12x}{x} =$ _____

M $\frac{6x}{2} =$ _____

Z $\frac{20x}{10} =$ _____

H $\frac{20x}{2} =$ _____

T $\frac{24x}{3} =$ _____

S $\frac{30x}{5} = \underline{\hspace{2cm}}$

I $\frac{42x}{6} =$ _____

B $\frac{20x}{8} =$ _____

E $\frac{24x}{16} =$ _____

y $\frac{63x}{14} =$ _____

NC8–52

Activity 1

1 a

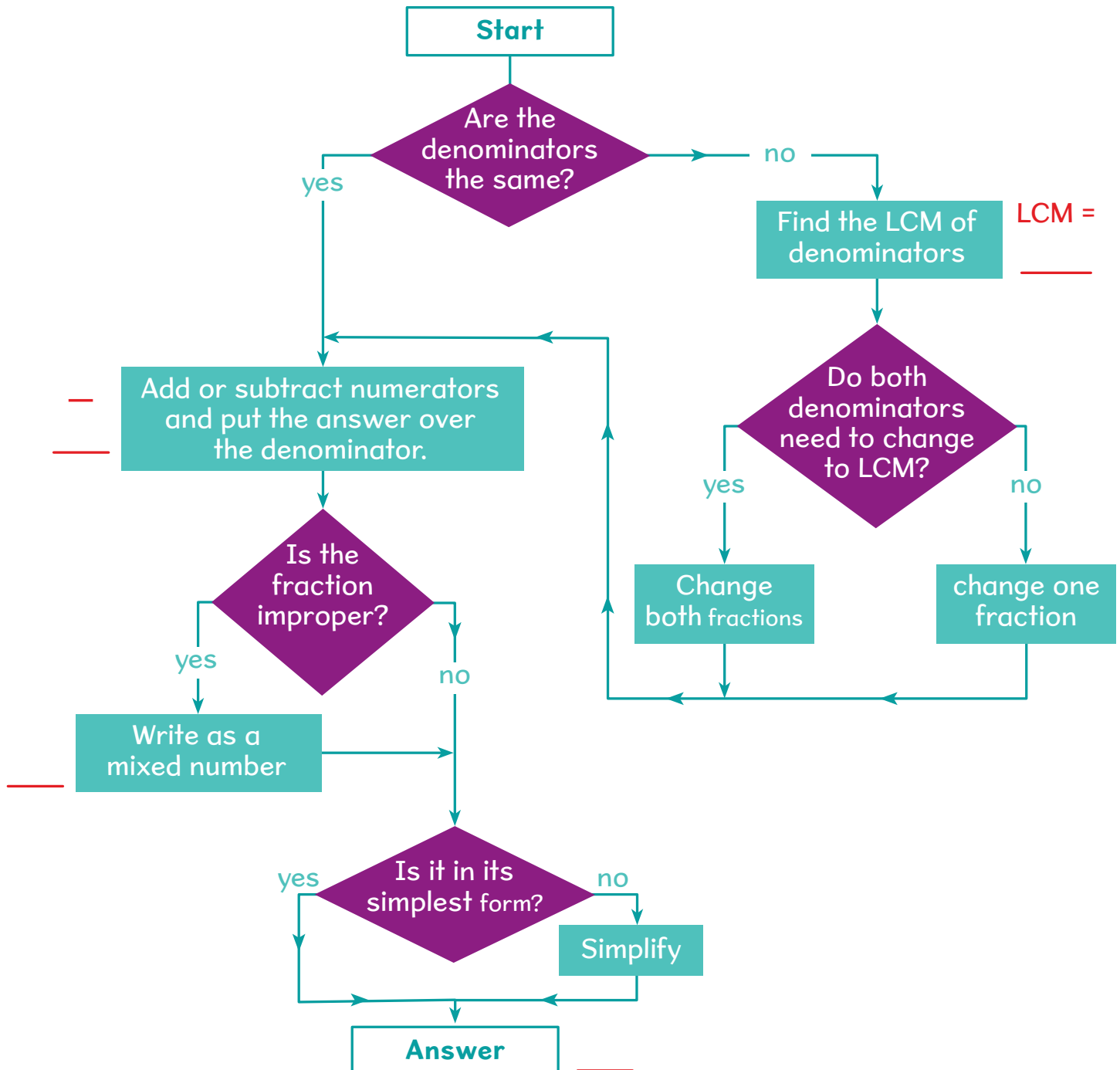


1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

NC8-54

Activity 2

- 1 a Follow this flow chart to find the answer to $\frac{7}{12} + \frac{5}{9}$. Complete the calculation at each step.



NC8–55

4 Write **A**, **B** or **C** for each of these

	Area between		
	A 0 and 1 m ²	B 1 m ² and 5 m ²	C 5 m ² or more
computer screen			
netball court			
bathroom floor			
a door			
a sheet of paper			
a car park space			
a stove top			

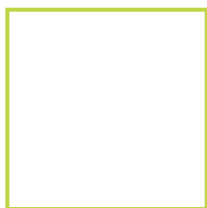
NC8–55

	Area between		
	A 0 and 1 m ²	B 1 m ² and 5 m ²	C 5 m ² or more
computer screen			
netball court			
bathroom floor			
a door			
a sheet of paper			
a car park space			
a stove top			

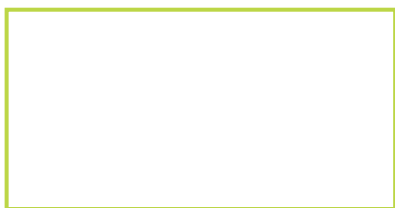
NC8–63

Practical – Crosswires

1



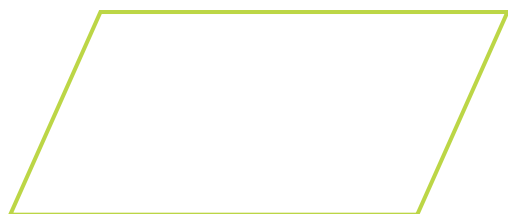
square



rectangle



rhombus



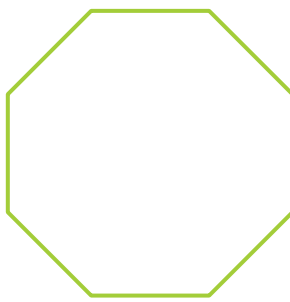
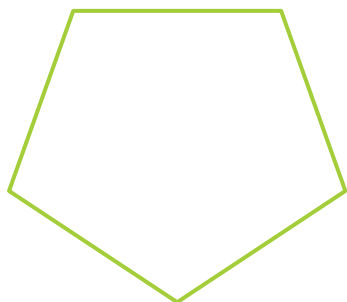
parallelogram

trapezium 1
(*symmetrical*)

trapezium 2

trapezium 3
(*right-angled*)

3

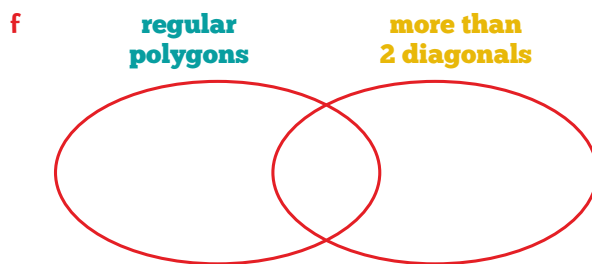
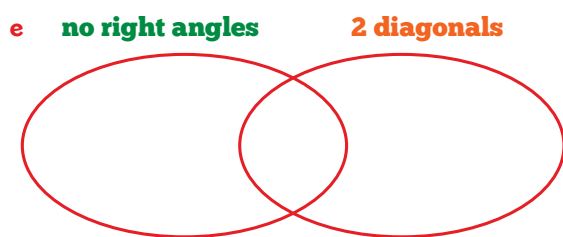
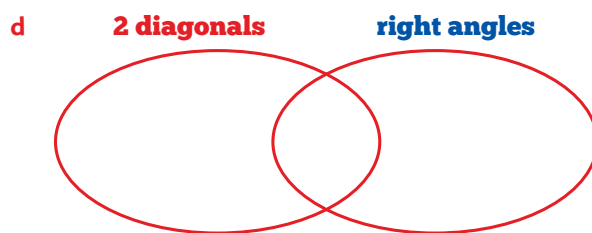
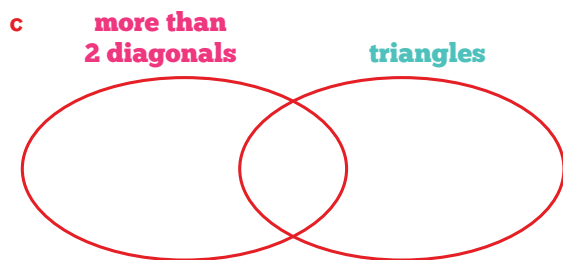
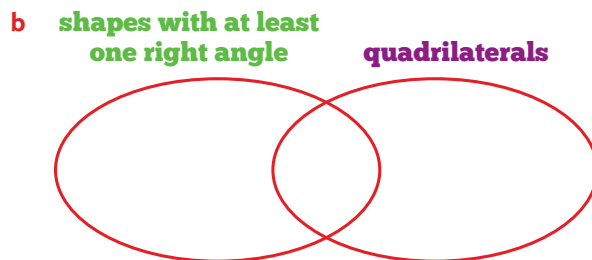
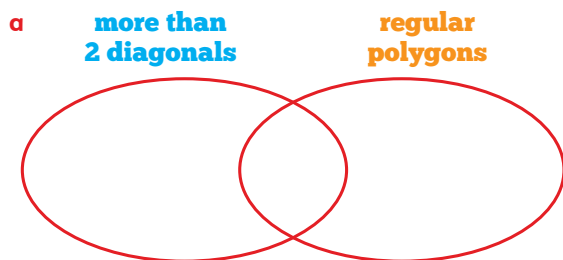


4

Number of sides	Number of diagonals
4	
5	
6	
7	
8	

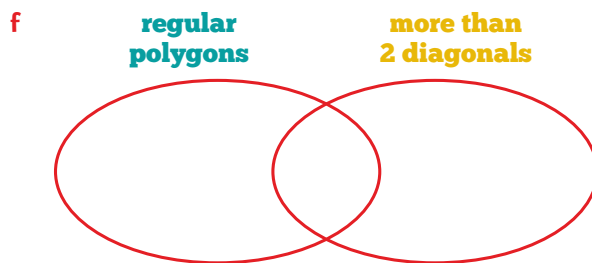
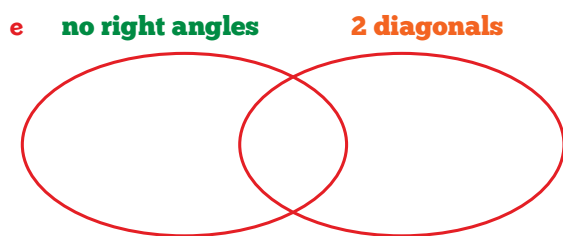
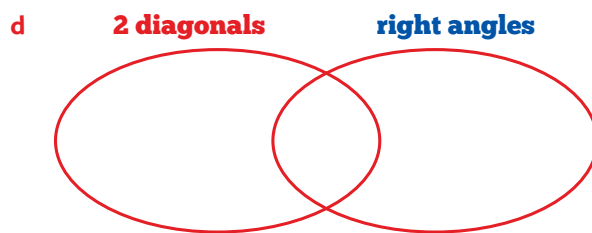
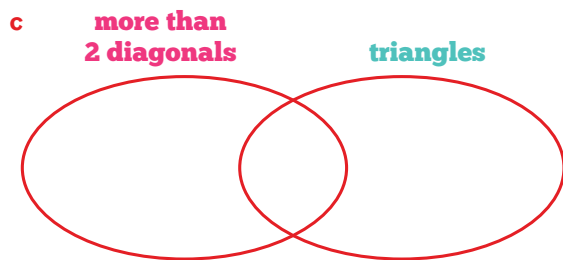
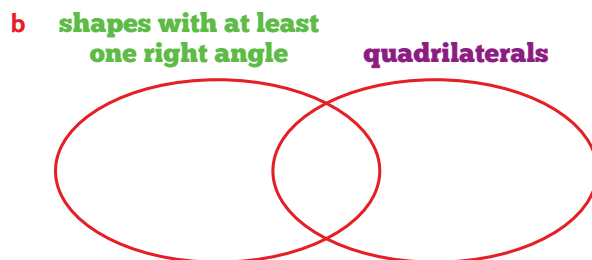
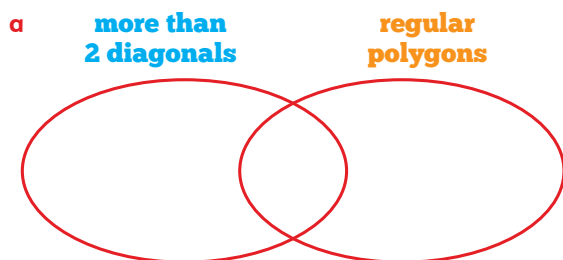
NC8-64

1 Sort the shapes into these Venn diagrams. Use the letters written on the shapes.

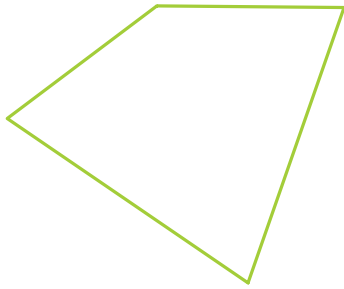


NC8-64

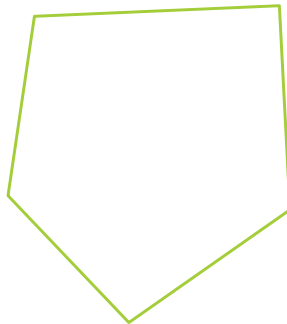
1 Sort the shapes into these Venn diagrams. Use the letters written on the shapes.



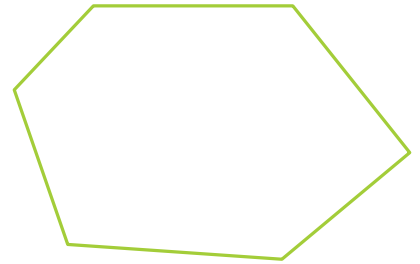
NC8-69

Practical – Polygon division

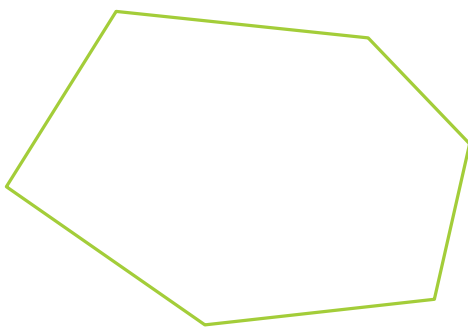
quadrilateral



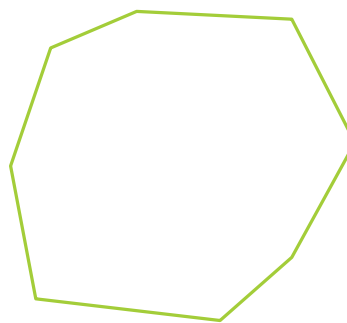
pentagon



hexagon



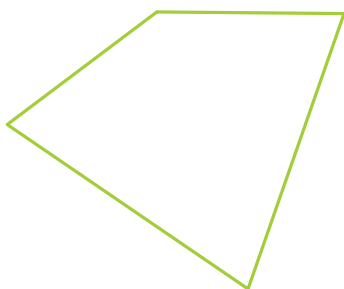
heptagon



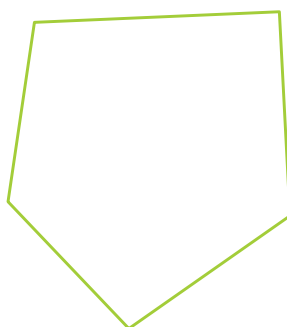
octagon



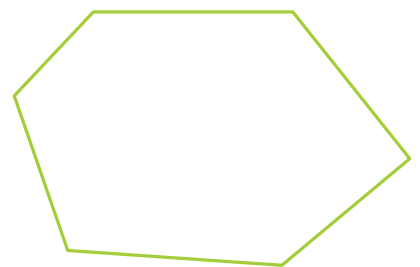
NC8-69

Practical – Polygon division

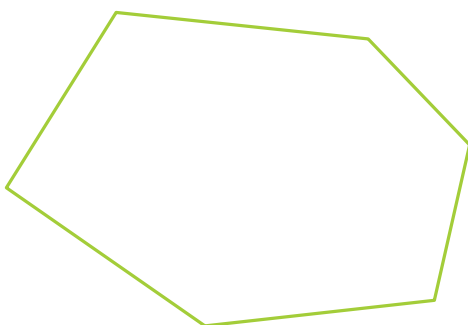
quadrilateral



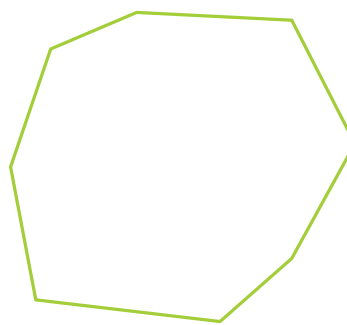
pentagon



hexagon

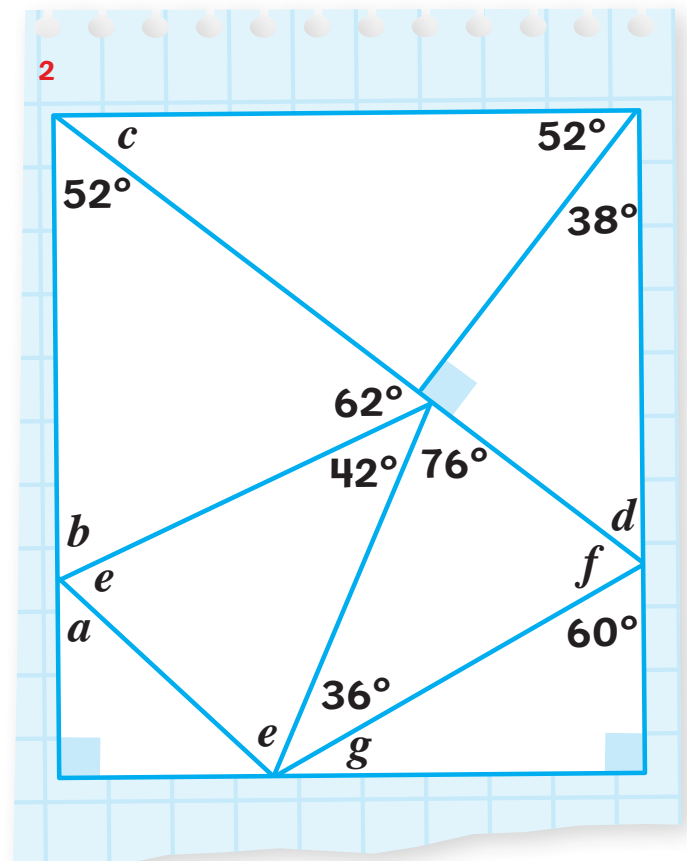


heptagon

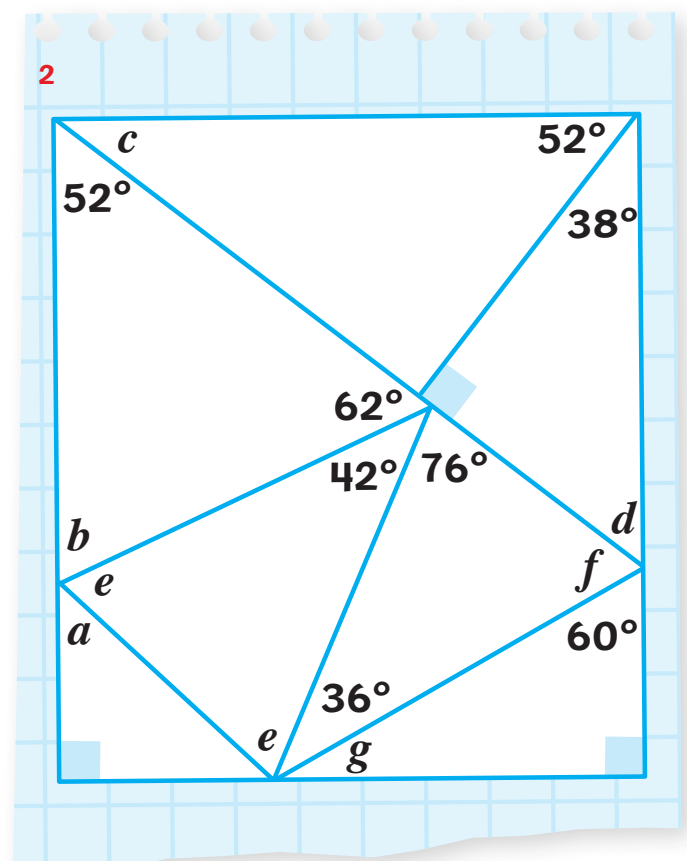


octagon

NC8-71



NC8-71



NC8-72

4

1			2	3
		4		
	5			
6				7
8			9	

NC8-72

4

1			2	3
		4		
	5			
6				7
8			9	

NC8-72

4

1			2	3
		4		
	5			
6				7
8			9	

NC8-72

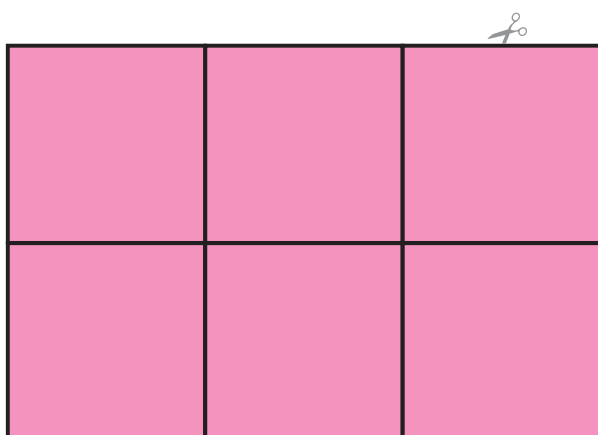
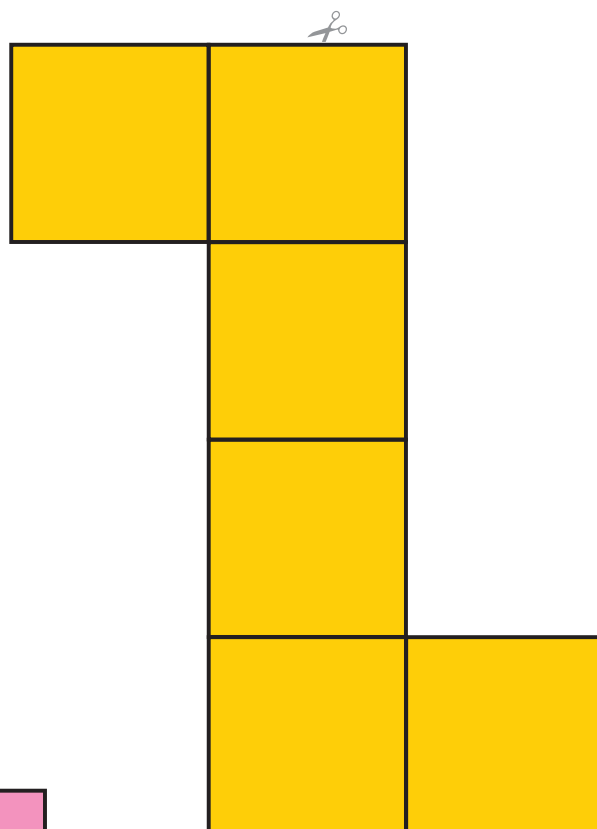
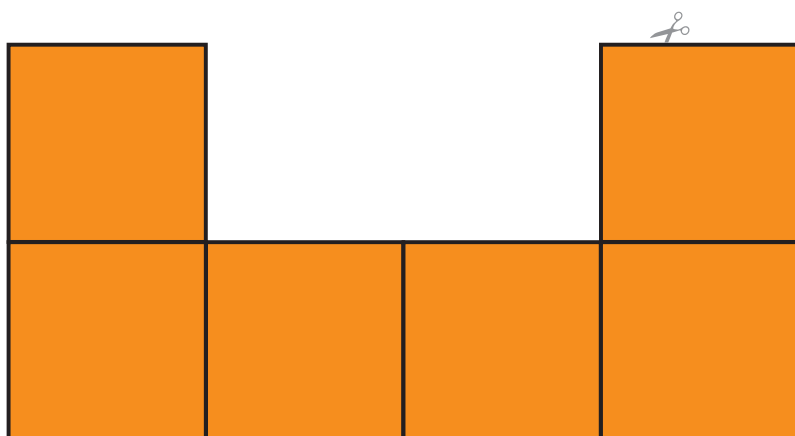
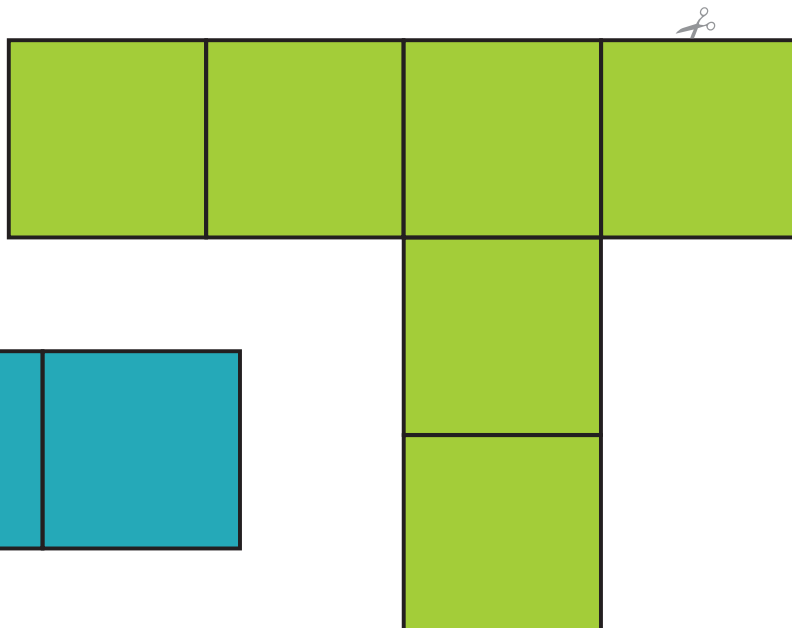
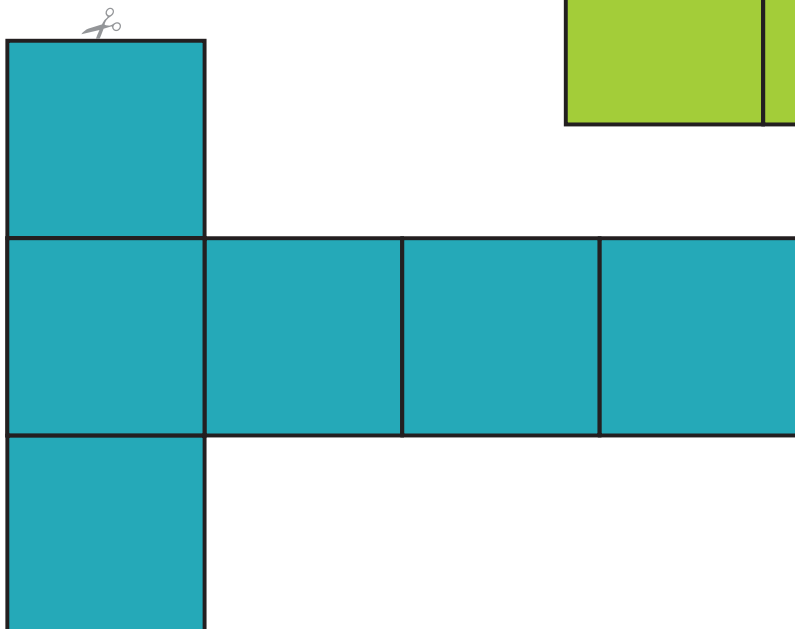
4

1			2	3
		4		
	5			
6				7
8			9	

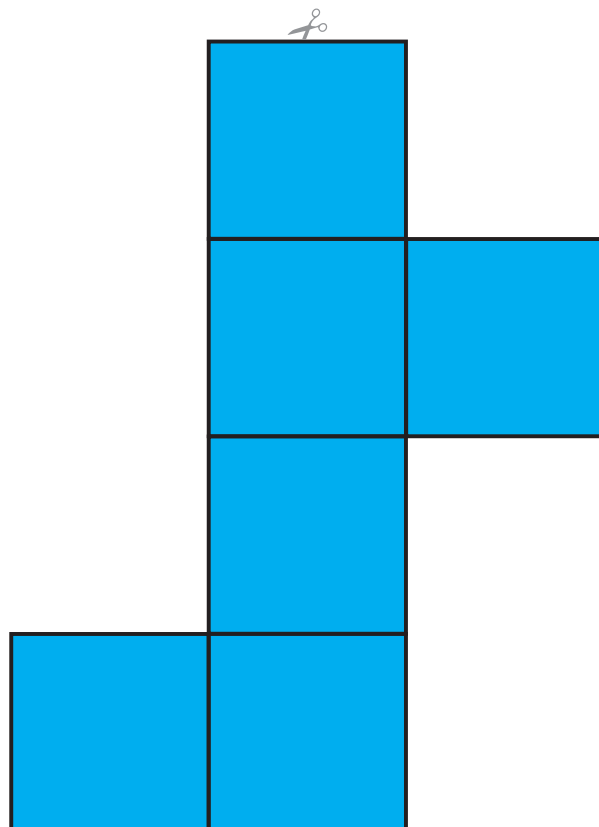
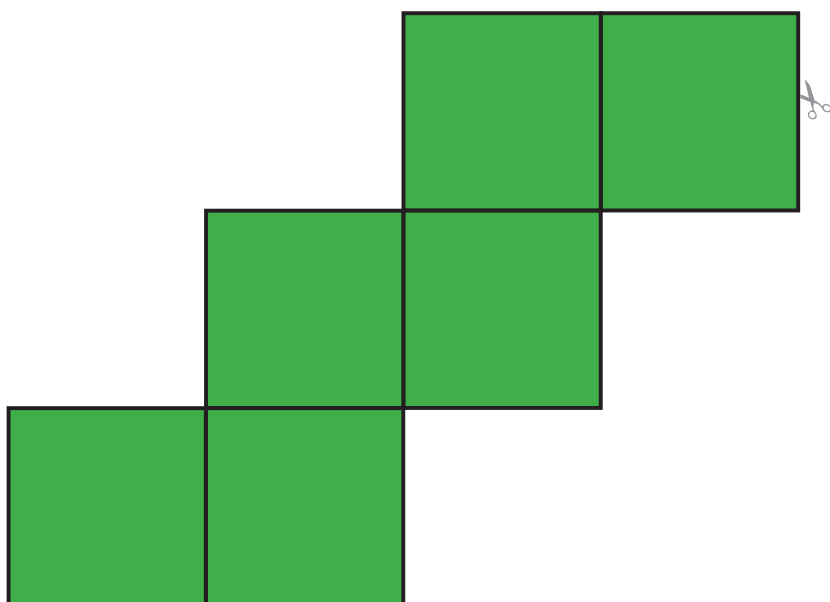
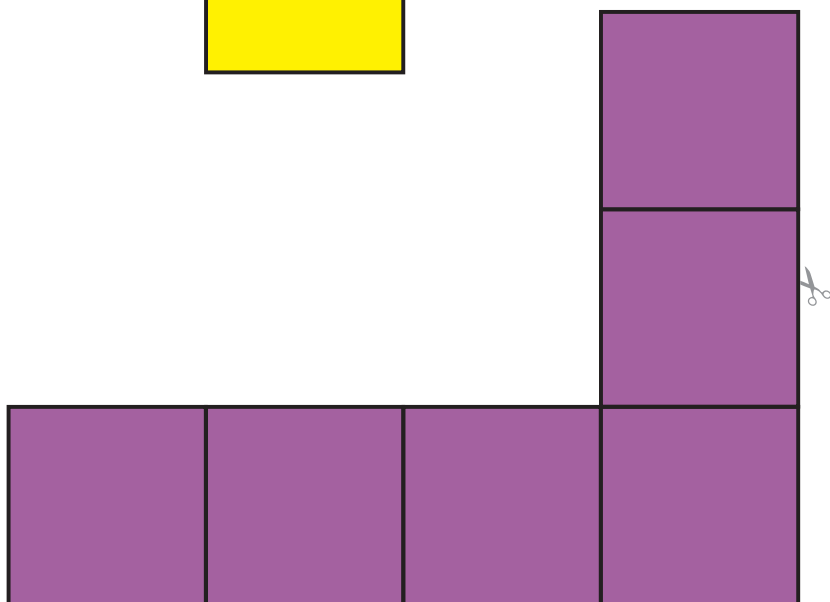
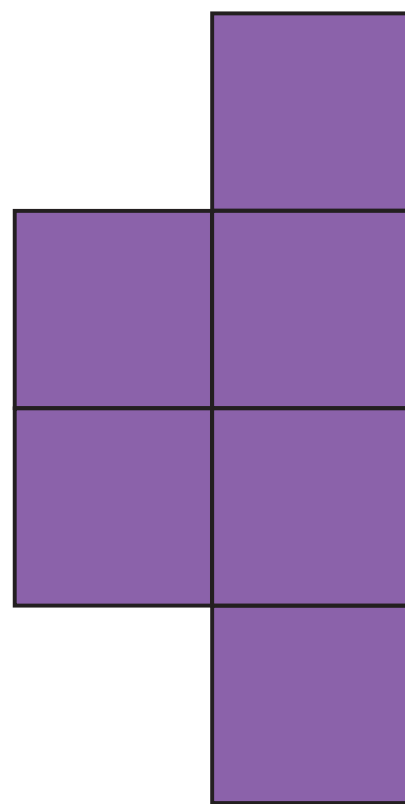
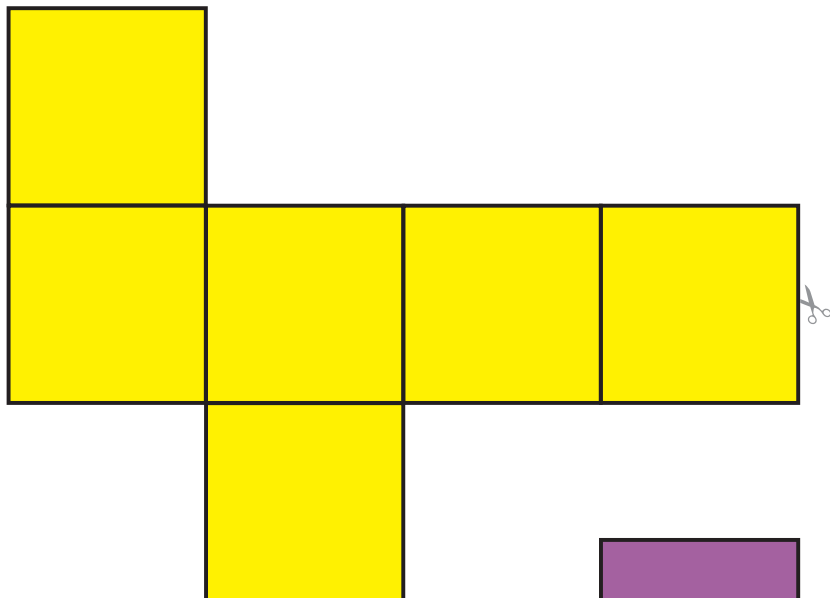
NC8-73

Activity 1 (page 1 of 2)

1



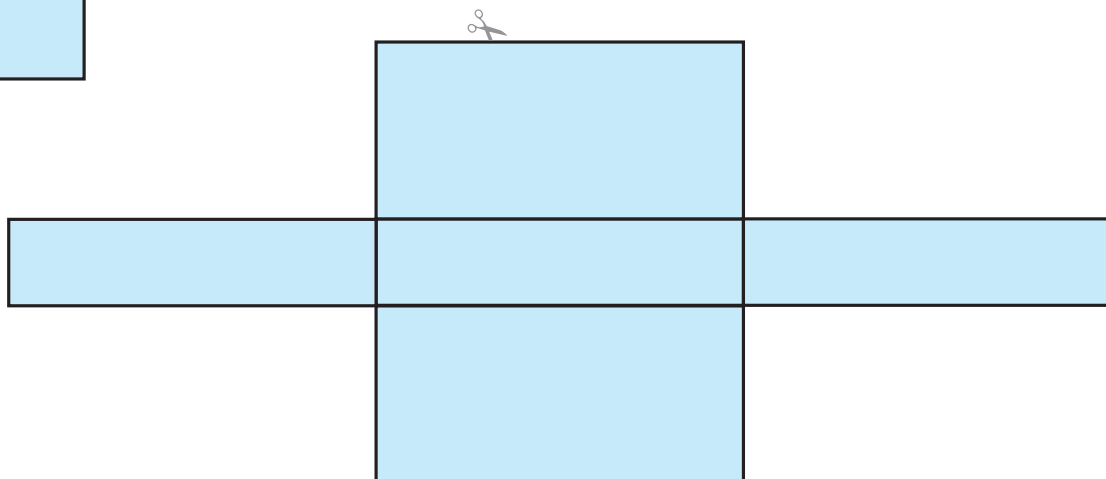
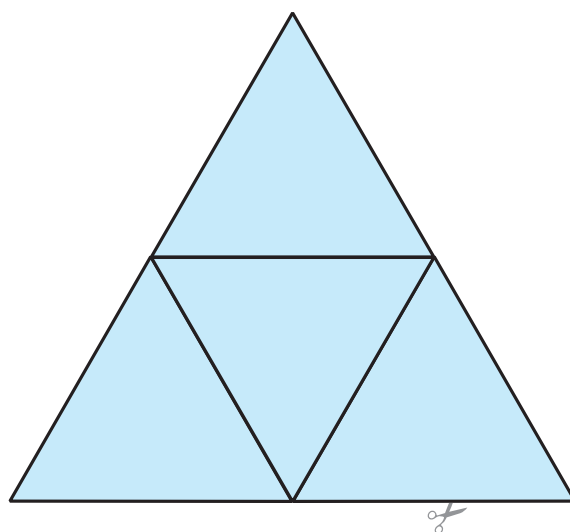
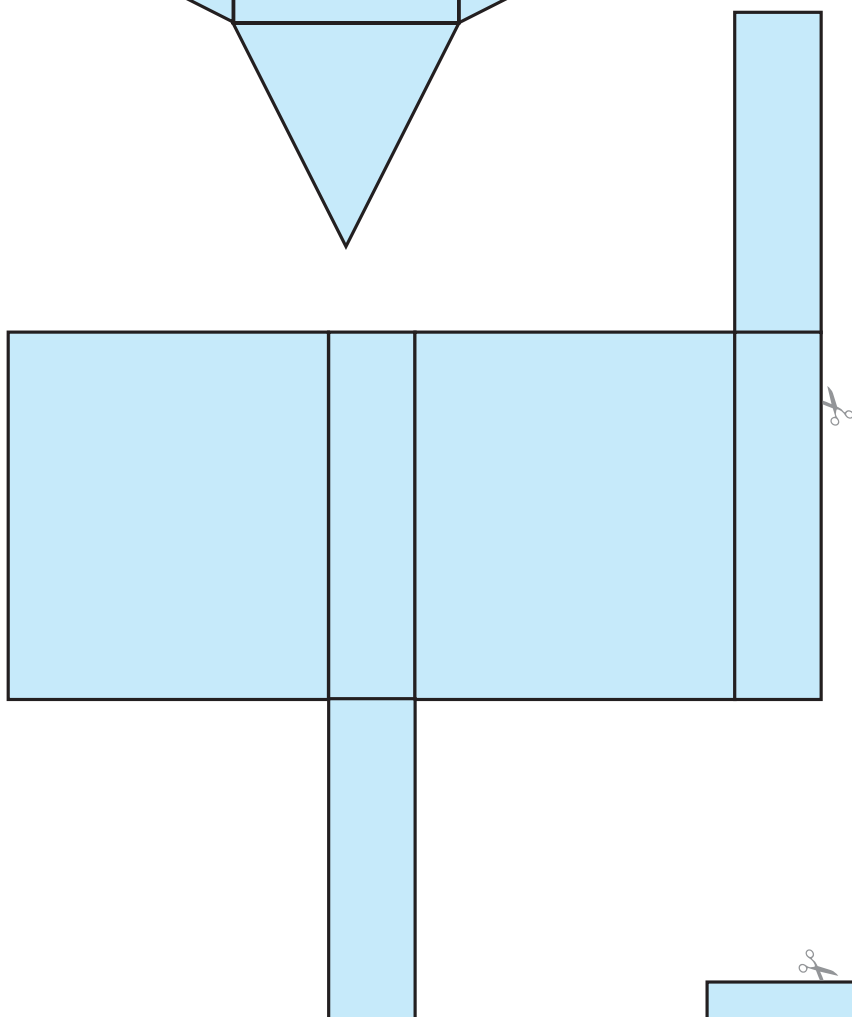
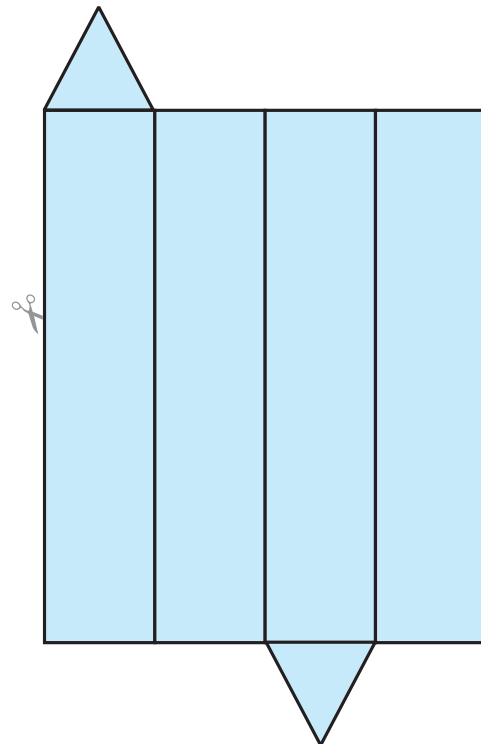
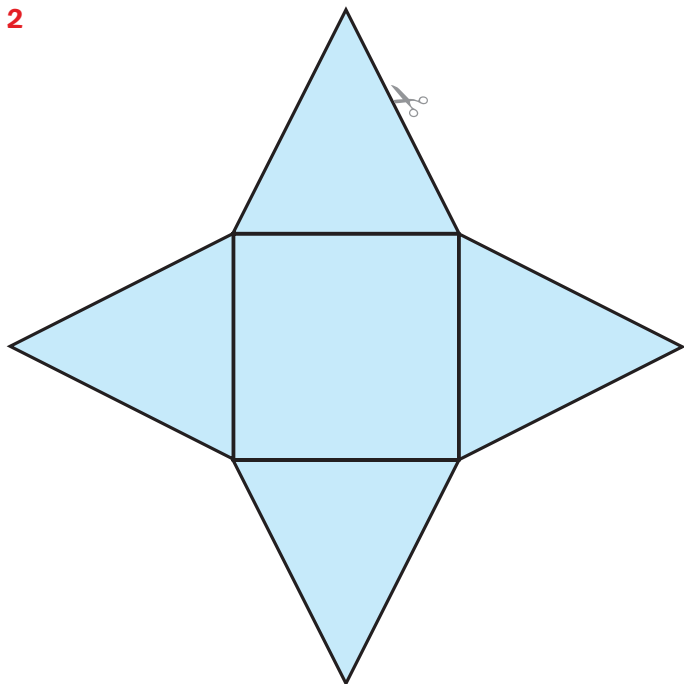
NC8-73

Activity 1 (page 2 of 2)

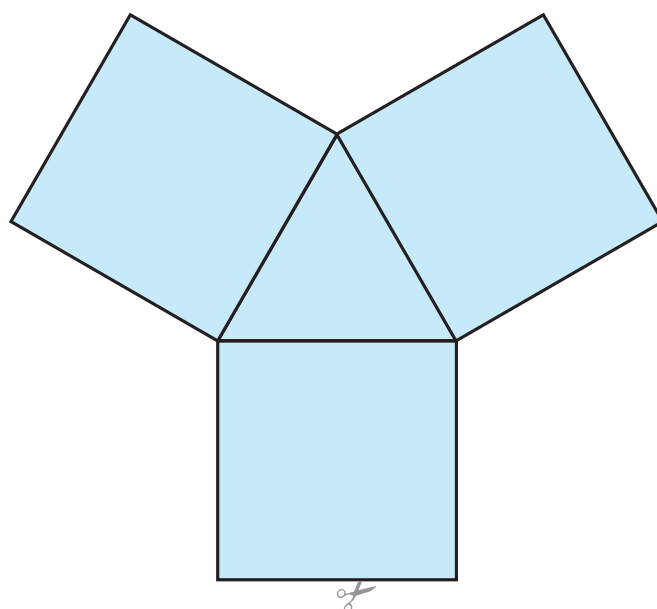
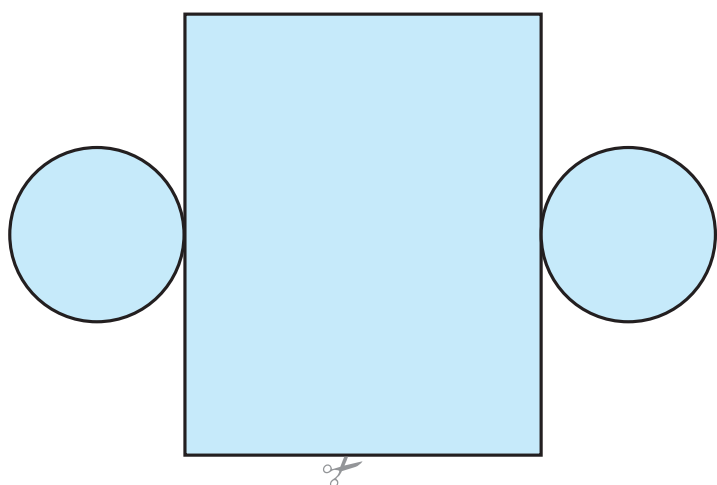
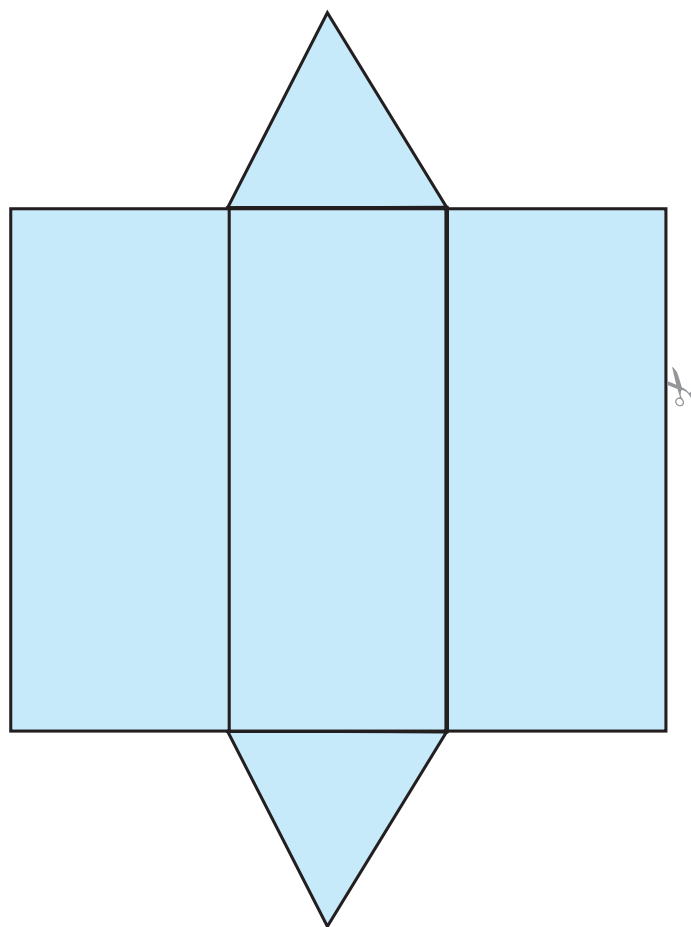
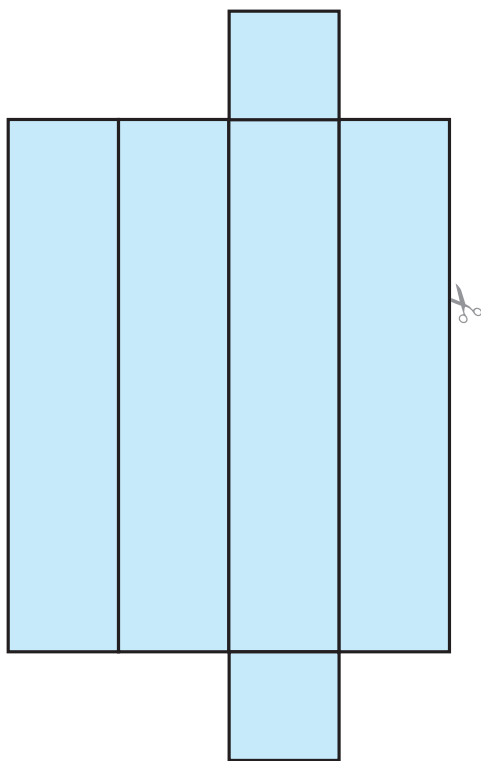
NC8-74

Activity 1 (page 1 of 2)

2



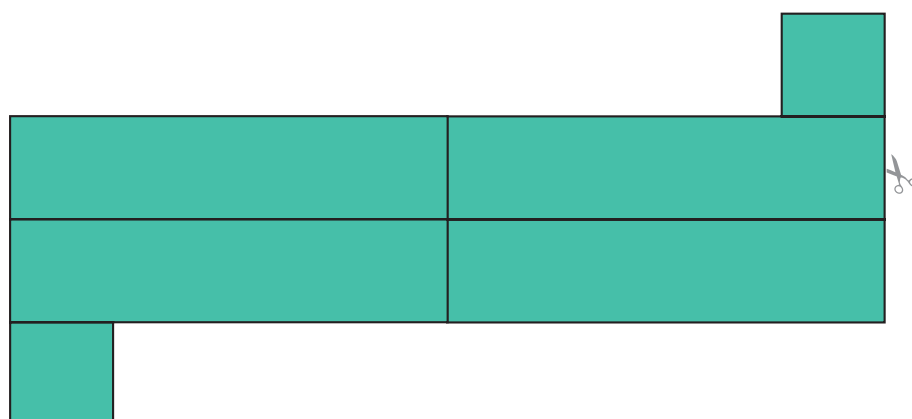
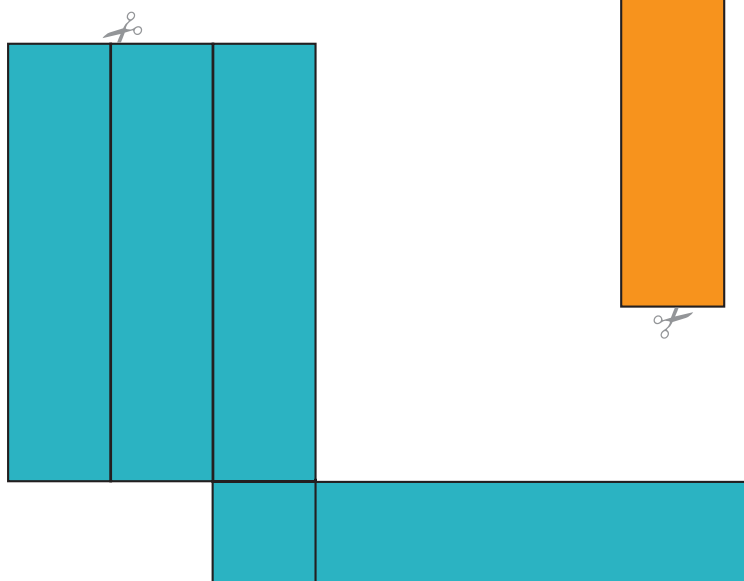
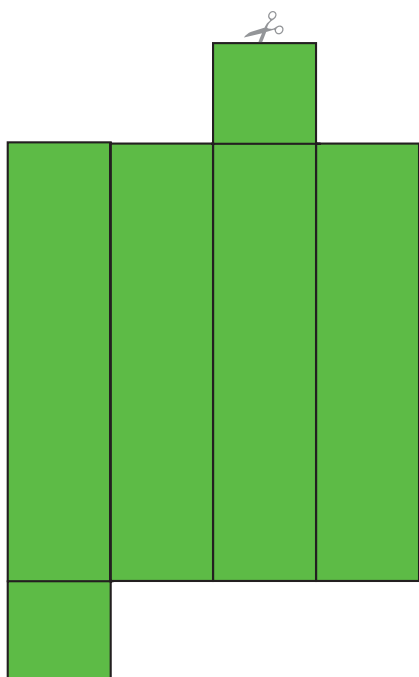
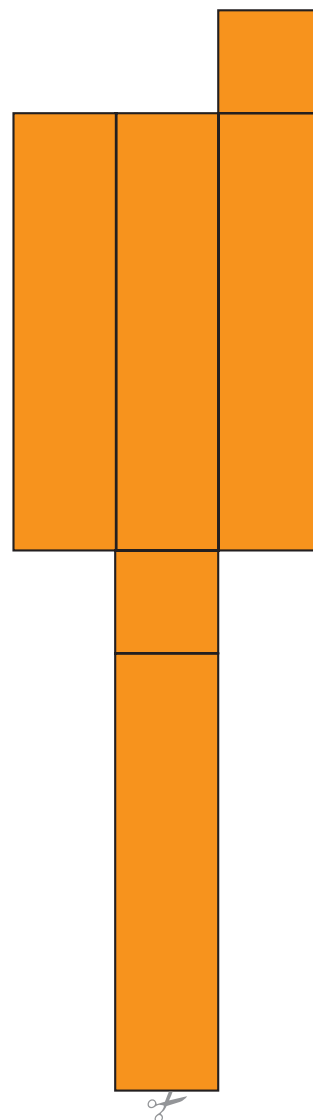
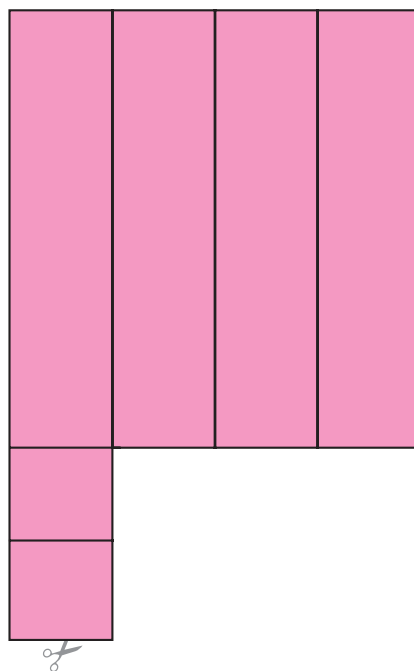
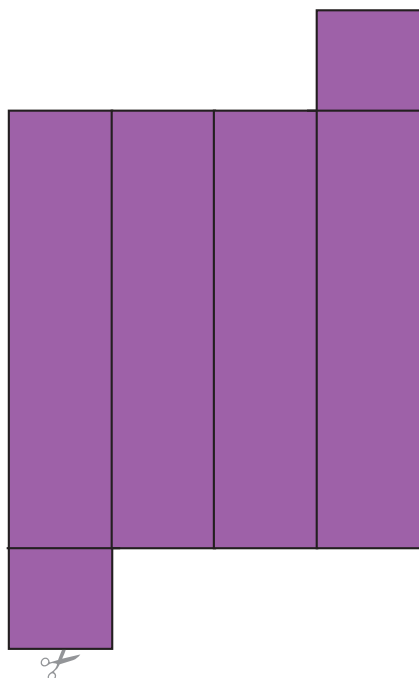
NC8-74

Activity 1 (page 2 of 2)

NC8-75

Activity 1

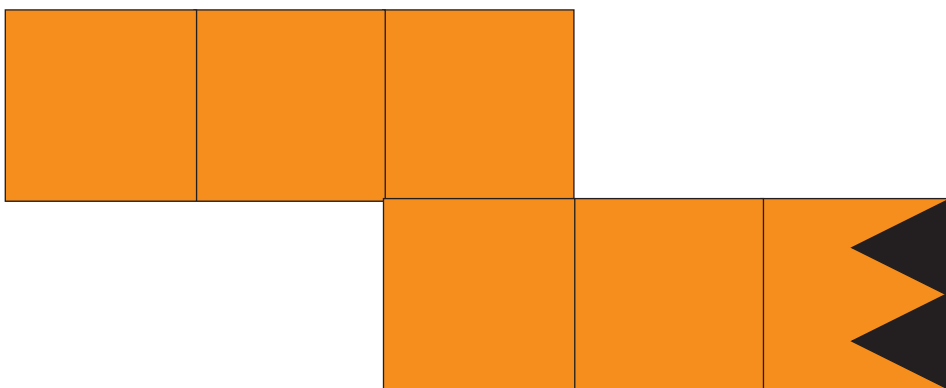
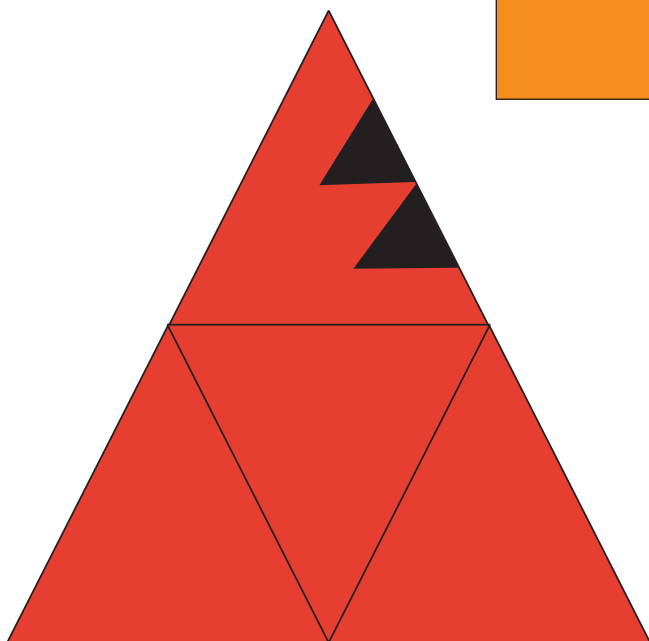
3



NC8-76

Activity 1

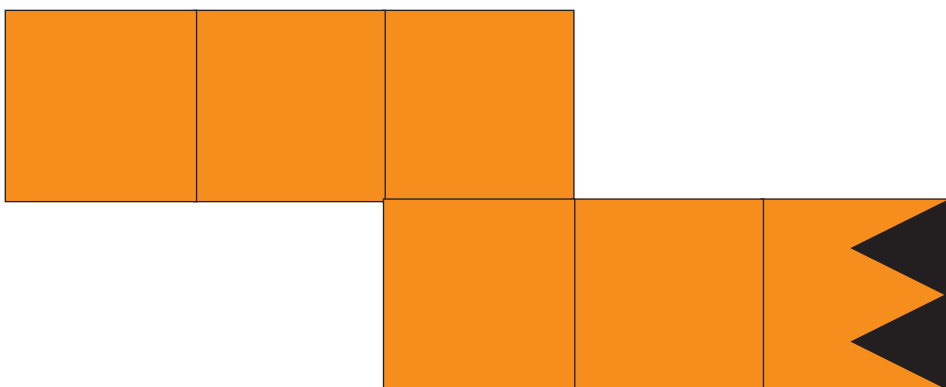
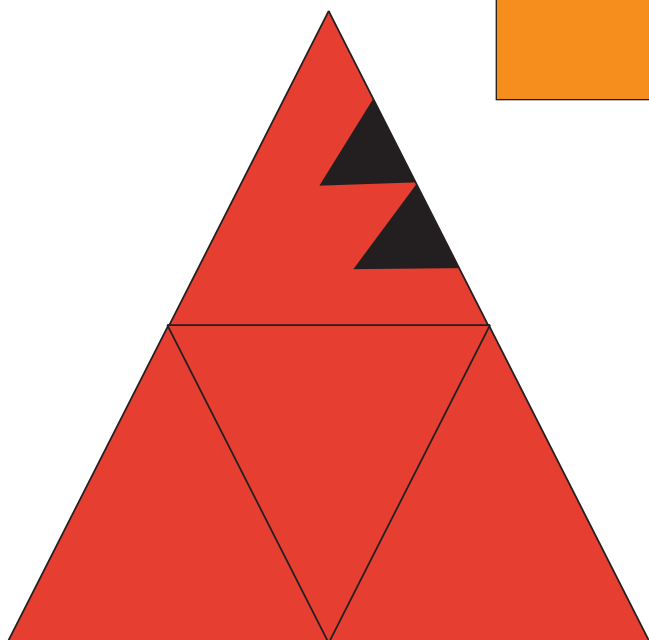
6



NC8-76

Activity 1

6



NC8–78

Practical – Two Dice

DICE 2

D
I
C
E

1

+	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						

DICE 2

D
I
C
E

1

+	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						

Total	Probability as a fraction	Probability as a decimal
2	$\frac{1}{36}$	0.028 (2 decimal places)
3		
4		
4		
6		
7		
8		
9		
10		
11		
12		

Total	Probability as a fraction	Probability as a decimal
2	$\frac{1}{36}$	0.028 (2 decimal places)
3		
4		
4		
6		
7		
8		
9		
10		
11		
12		

NC8–79

Practical – Don't put it back**1 Table A**

Trial	Guess correct or not (tick or cross)
1	
2	
3	
4	
4	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

2 Table B

Trial	1st pick	2nd pick	3rd pick	4th pick
1				
2				
3				
4				
4				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Experimental probability				
Theoretical probability				