Page 213   a. 6; b. 15; c. 20; d. 8; e. 9; f. 6; g. 40; h. 72; i. 12; j. 20; k. 18; l. 12
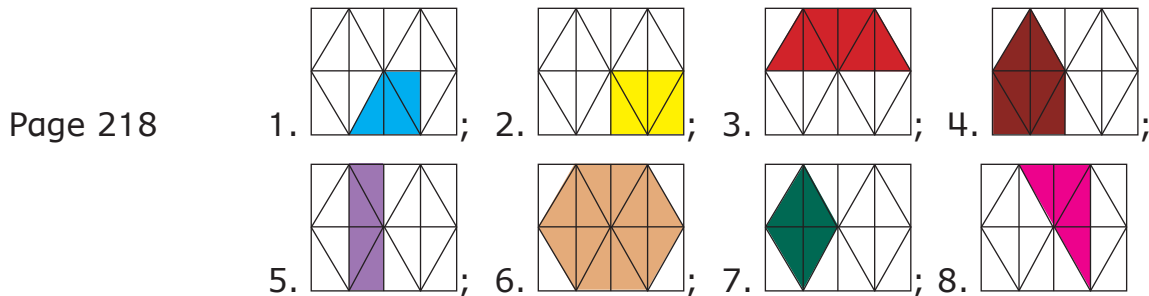
Page 214   C and D are right angles. A, E and F are acute angles. B is an obtuse angle. G and I are congruent triangles. A square has 4 congruent sides.

Page 215   Scalene Triangle has no congruent sides (brown triangle);

Isosceles Triangle has 2 congruent sides (orange triangle);

Equilateral Triangle has 3 congruent sides (red triangle);

Right Scalene Triangle has a right angle with no congruent sides (pink);

Right Isosceles Triangle has a right angle with 2 congruent sides (gray)

Page 216   1. All figures are polygons except the circle and half circle. All the four-sided figures are quadrilaterals.

2. ; 3. ; 4. No; 5. Yes

Page 217   P; T; none; P; P; none; No, because a trapezoid has <u>just</u> one pair of parallel sides and a parallelogram has two.

Page 218   1. ; 2. ; 3. ; 4. ;

5. ; 6. ; 7. ; 8.

Page 219   2. 1 out of 7 are blue, $\frac{1}{7}$;   3. 2 out of 7 are yellow, $\frac{2}{7}$;

4. 1 out of 7 are green, $\frac{1}{7}$; 5. 1 out of 8 are pink, $\frac{1}{8}$

Page 220   b. $\frac{4}{8}$, ; c. $\frac{4}{6}$, ; d. $\frac{6}{8}$, ; e. $\frac{3}{12}$, ; f. $\frac{6}{10}$,

Page 221   a. <; b. >; c. >; d. <; e. >; f. <; g. >; h. =; i. <; j. =; k. <; l. <; m. >; n. =; o. =

Page 222   1. 12; 2. 18; 3. 12; 4. 8; 5. 72

Page 223   Estimates will vary. 1. 1 inch; 2. 4 inches; 3. $5\frac{1}{2}$ inches; 4. $2\frac{1}{2}$ inches; 5. 5 inches

Page 224   a $\frac{1}{4}$; e $1\frac{1}{2}$; c $2\frac{7}{8}$; m $3\frac{3}{8}$; d 4; i $5\frac{1}{8}$; l $5\frac{3}{4}$; decimal

Page 225   1. intersecting lines; 2. parallel lines; 3. right angle; 4. acute angle