

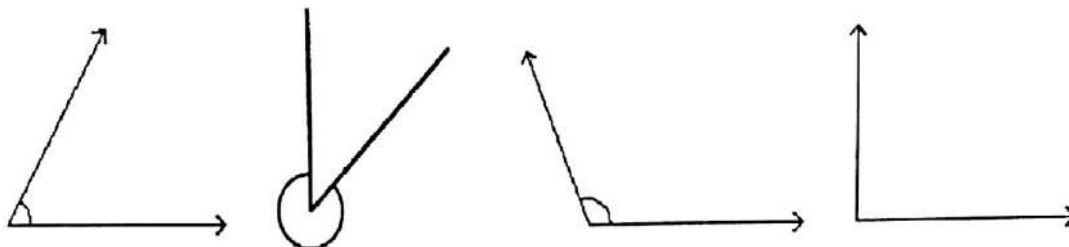
Math

Grade 5

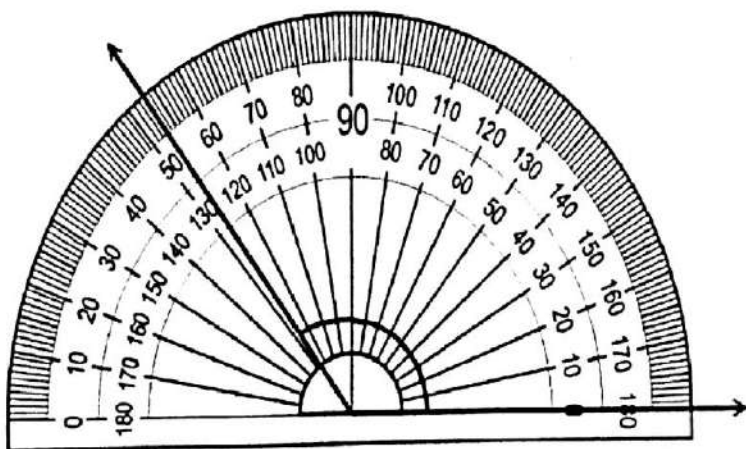
List all of the factors for each number.

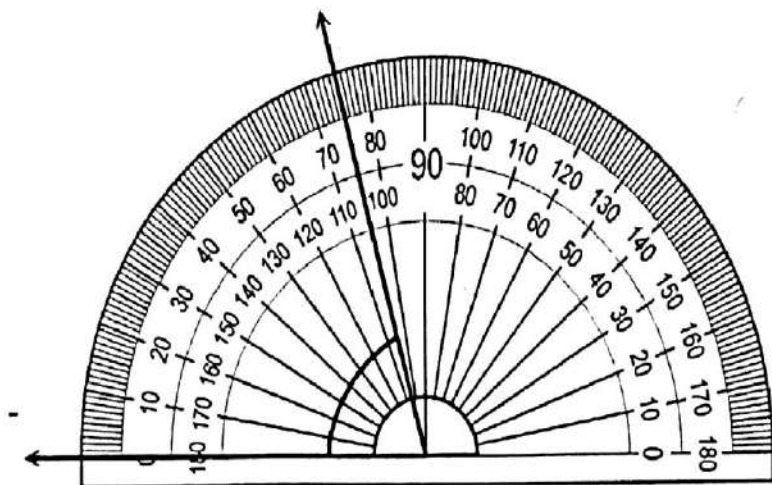
62	
65	
10	
75	
77	
56	
50	
34	
55	
68	

1. Label each angle as **acute**, **reflex**, **obtuse** or **right** angle.

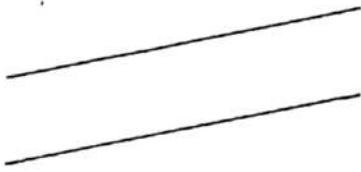


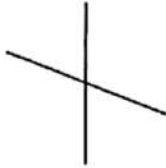
2. Measure each angle to the nearest degrees.

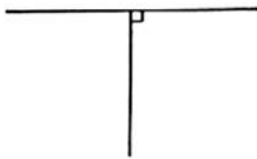




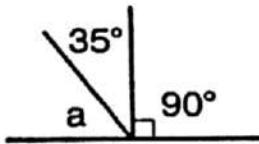
3. State whether the given pair of lines are parallel.





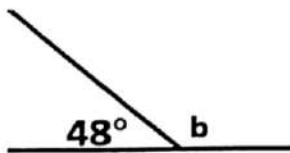


4. Work out to find the missing angles a, b, c, d and classify them.



Angle a = -----

Name: -----



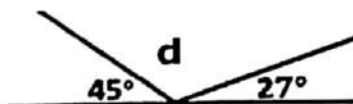
Angle b = -----

Name: -----



Angle c = -----

Name: -----

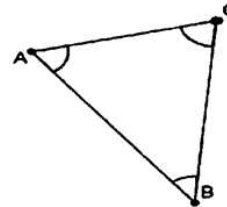
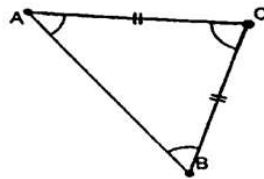
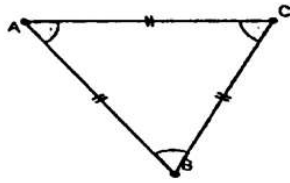


Angle d = -----

Name: -----

5. There are three types of triangles.
- a) An Equilateral triangle has three equal sides and three equal angles.
 - b) An Isosceles triangle has two equal sides and two equal angles.
 - c) A Scalene triangle has no equal sides and no equal angles.

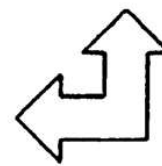
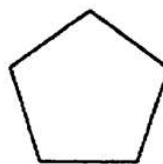
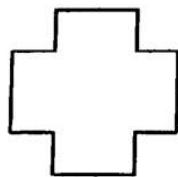
Write name of each following triangles.



6. Fill in the blank so that the sentence is true.

- a) A _____ is a quadrilateral with only one pair of parallel sides.
- b) A square is a quadrilateral with _____ equal sides and _____ right angles.
- c) A rhombus is a _____ with four _____ sides.
- d) A _____ is a quadrilateral with two pairs of parallel sides.
- e) Any four-sided polygon is a _____.

7. Does the given shape has reflective and rotational symmetry?



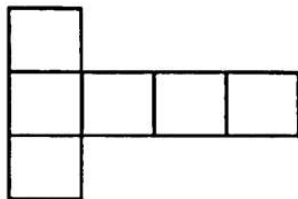
Reflective symmetry:

Rotational symmetry:

8. Complete the table below.

	Cube	Square based pyramid	Pentagonal Prism
faces	6		
edges			
vertices			

9. Which 3-D shapes do the net drawings below show?



10. Two of these sentences are ALWAYS true.

Tick (✓) the two sentences that are ALWAYS true.

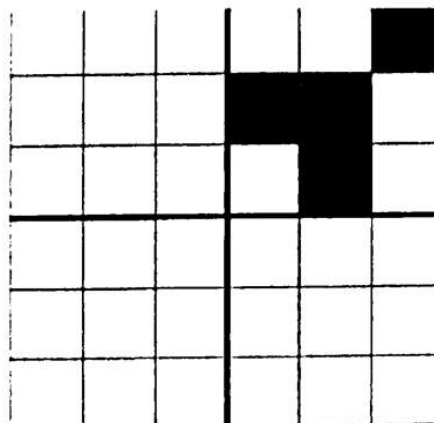
(i) A square has 4 lines of symmetry.

(ii) A rectangle has 1 line of symmetry.

(iii) A rhombus has 4 right angles.

(iv) A trapezium has 1 pair of parallel lines.

11. Complete the symmetrical pattern that have two lines of symmetry.



TRUE /FALSE

- 1a) 7 books out of a pile of **hundred** books is **70%** _____
- 1b) 8 books out of a pile of **hundred** books is **80%** _____
- 2a) 1 green pencil out of 4 colour pencils is **25%** _____
- 2b) 3 green pencils out of 4 colour pencils is **75%** _____
- 3) **One half** of a water bottle is **20%** _____
- 4) Square based pyramid is also known as tetrahedron. _____
- 5) Cube has more faces than a cuboid. _____
- 6) 189° is a reflex angle. _____
- 7) Half turn is also known as straight angle. _____
- 8) The line where two faces meet is called an edge. _____
- 9) A cone is classified as a non-polyhedron. _____
- 10) Tetrahedron is also known as triangular prism. _____

True /False

- 11) An isosceles triangle will have rotational symmetry. _____
- 12) An equilateral triangle can have an obtuse angle. _____
- 13) 990 is a multiple of 5, 10 and 100 _____
- 14) The arms of a clock make a half turn at 6:00 am. _____
- 15) A triangle can have 2 perpendicular lines. _____
- 16) Triangles can have two acute angles. _____
- 17) Triangles can have two obtuse angles. _____
- 18) Triangles can have two perpendicular sides. _____
- 19) Triangles can have two parallel sides. _____
- 20) A scalene triangle is a regular polygon. _____

- 21) A triangle can have two right angles. _____
- 22) An isosceles triangle can have an obtuse angle. _____
- 23) The order of rotational symmetry in an equilateral triangle is 3 _____
- 24) An equilateral triangle can have an obtuse angle. _____
- 25) None of the sides of a scalene triangle are the same length. _____
- 26) An isosceles triangle is an irregular polygon. _____
- 27) All triangles have three lines of symmetry. _____
- 28) A triangle can have 2 right angles. _____
- 29) A scalene triangle has 2 equal sides. _____
- 30) The sum of angles in a triangle may vary from 180° . _____
- 31) An obtuse triangle can have 2 acute angles. _____
- 32) A triangle is a pattern of parallel lines. _____
- 33) The size of each angle is less than 90° in equilateral triangle. _____

Complete these by writing true or false

- | | |
|---|--|
| 34) $245 \times 10 > 24 \times 100$ _____ | 35) $2.45 \times 100 < 24 \times 10$ _____ |
| 36) $24.5 \times 10 < 2.4 \times 100$ _____ | 37) $0.245 \times 100 > 24 \times 100$ _____ |
| 38) $\$6.8 = 680$ cents _____ | 39) $0.25 > 0.3$ _____ |
| 40) $1.21 \times 100 = 121 \div 100$ _____ | 41) 4 tens and 2 tenths = 40.2 _____ |
| 42) odd + odd = even _____ | 43) odd - even = even _____ |
| 44) odd + even = odd _____ | 45) even \times odd = even _____ |
| 46) odd \times odd = odd _____ | 47) odd - odd = odd _____ |
| 48) even + even = even _____ | 49) even + odd = odd _____ |

Choose one of these words and complete: (always / sometimes / never)

50) Whole numbers ending in **five** can _____ be divided exactly by **10**.

51) Whole numbers ending in **zero** can _____ be divided exactly by **2**.

52) Whole numbers ending in **zero** can _____ be divided exactly by **100**.

53) Whole numbers ending in **five** can _____ be divided exactly by **2**.

54) Whole numbers ending in **zero** can _____ be divided exactly by **5**.

55) Whole numbers ending in **five** can _____ be divided exactly by **25**.

Complete table with 'Tick for yes' or 'Cross for no':

Triangle	Equilateral	Isosceles	Scalene
all sides equal, all angles equal			
two sides equal, two angles equal			
no sides equal, no angles equal			
can have a right angle			
can have an angle greater than 90°			
has two or more angles less than 90°			
regular shape			
irregular shape			

