

EMITS

NUMERACY TESTS

First Name _____		<h1>Test 6</h1> <small>Version Ja15</small>
Last Name _____		
School _____		
Year Level _____	Class _____	
Gender Male Female (circle one)		
ATSI? Yes No	LBOTE? Yes No	AUSTRALIAN CURRICULUM YEAR SIX

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TEST 6 - Number and Algebra

1. Find the answer.

$43 \times 9.5 =$

2. "Every odd number is also a prime number."

Is this statement true or false?

True

Circle true if that is your answer or if the answer is false,

write a number on the line next to False that shows the statement is wrong.

False _____

3. Ada buys 3 kg of peaches and 4 kg of apples.

Peaches @ \$2.90 per kilo Apples @ \$2.80 per kilo

How much does she pay for the fruit altogether?

4. Ben paid \$1592 for some season tickets to the football.

The cost for each ticket was \$398.

How many tickets did Ben buy?

5. A large vehicle has a fuel tank capacity of 96 L. The fuel gauge emits a warning sound when there is only $\frac{1}{8}$ of the fuel left in the tank.

How much fuel is left in the tank when the warning sounds?

6. What is the difference between $\frac{3}{8}$ and $\frac{3}{4}$?

7. A prize of \$10 500 is shared between 8 friends.

How much does each person get in dollars and cents?

8. In a class, 6 of the students, or $\frac{1}{4}$ of them, are older than 10 years.

How many students are in the class altogether?

15. Write the answer as whole number:

$$3 \times 10^3 \times 2 =$$

16. Peter bought a laptop at a sale where it was 10% off the original price of \$890.
How much did Peter pay for the laptop?

17. What percentage is \$50 of \$200?

10%

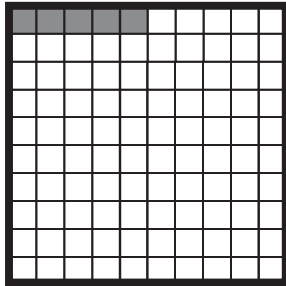
25%

20%

50%

Tick your answer

18.



Circle the whole row that gives the correct fraction, decimal and percent to describe the shaded area in this diagram:

Fraction	Decimal	Percent
5/100	0.5	5%
5/100	0.05	5%
5/10	0.05	50%

19. Find a whole number to satisfy the equation.

$$8 \div 4 \times (6 - 3) = p$$

p =

20. Find a whole number to satisfy the equation.

$$(3 + 5) \times 3 \div n = 4$$

21. Write a rule for this sequence of number pairs.

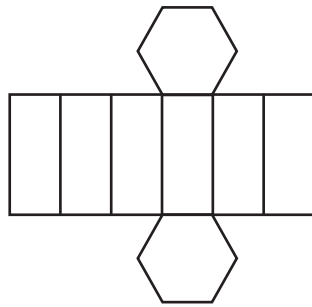
m	1	3	5	7	9
n	6	10	14	18	22

Rule

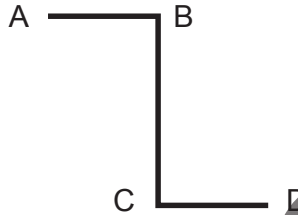
n =

TEST 6

29. What is the name of the solid you could make from this net?



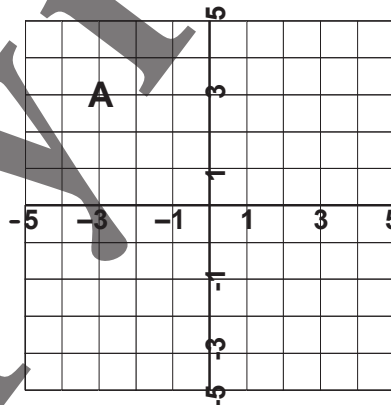
30. AB and CD are parallel lines.
 $\angle ABC$ is a right angle.
 What is the size of $\angle BCD$?
 Tick your answer.



- 50° 90°
 180° 100°

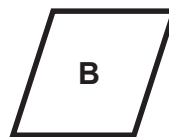
31. How many **pipe joiners** will you need to construct a tetrahedron (triangular-based pyramid) with straws and joiners?

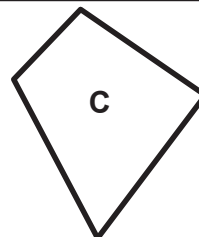
32. Describe the point location for A.

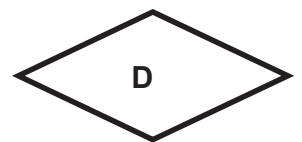


33. Tick the shape that has 2 obtuse angles, 2 acute angles and 1 pair of parallel sides.

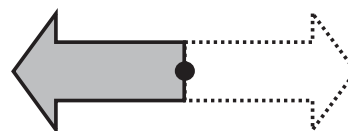








34. How many degrees of clockwise turn has the dotted arrow undergone to move to the orientation of the blue arrow?

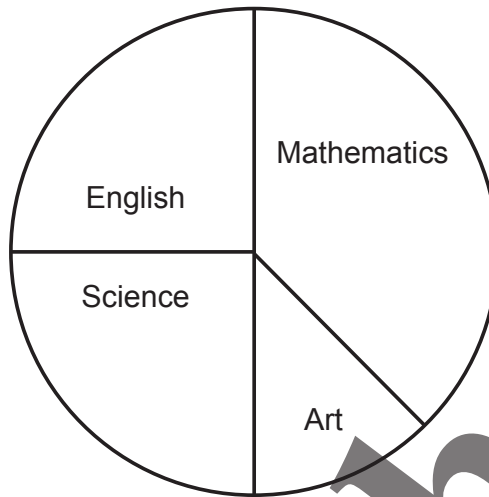


Rotation

TEST 6

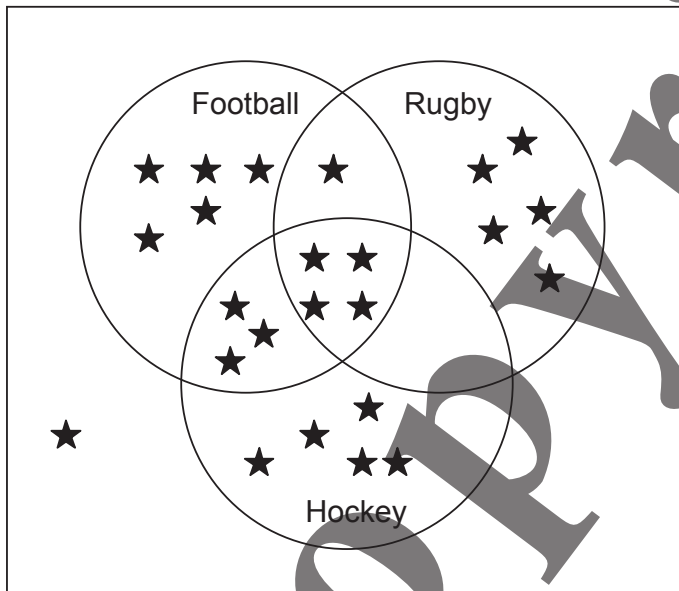
38. The pie graph shows the portion of time Katie spent on homework in each subject last week.

If Katie spent 80 min on Mathematics and 20 min on Art, how much time did she spend on Science?



39. A group of boys was asked to record the sport they had played in winter.

Tick the only true statement:



A One in five boys did not play a winter sport.

B Rugby was not as popular as football.

C Five boys played all 3 sports.

40. It was reported in the media that the average price of petrol today will be 159.9c/L. The data was collected from ten BP petrol stations in the inner city area.

How would you rate this information for accuracy for all petrol consumers in the state?

Tick your answer.

Very reliable

Reasonably reliable

Unreliable