

ANSWERS AND EXPLANATIONS

1.	SNAKE	All the others have legs; the others are mammals.	31.	FUNNEL	The others hold liquids; liquids pass through a funnel.
2.	ANIMAL	"BARBIT" = RABBIT.	32.	23	$23-1 = 22$. $\frac{1}{2}$ of 22 = 11. $11-1 = 10$. $\frac{1}{2}$ of 10 = 5, the number of cookies Mary had left.
3.	D	The triangles and squares change place, and the vertical figure becomes horizontal.	33.	HAY	The others are grains; hay is a grass.
4.	APPLE	The others are vegetables.	34.	EIGHT	The order is "plus 1, times 2, plus 1, times 2," etc. Eight violates this order.
5.	B	Since this is a reverse comparison, the solid line triangle is the reverse of the broken line square.	35.	B	The designs are reversed, and one side is removed from the smaller figure.
6.	16	John's brother is 4. In 4 years the brother will be 8, and John will be 16 or twice as old.	36.	ROCKET	Elros = Danger, Aldarion = Explosion, therefore Elendil must mean Rocket.
7.	NEPHEW	Brother and sister, and niece and nephew are all opposites.	37.	B	All other objects begin with the letter "S"; knife begins with the letter "K"
8.	E	All the others are made with only 3 lines; E is made with 4 lines.	38.	LACE	You buckle a belt, just as you lace your shoes.
9.	ENVELOPE	Milk goes into a glass, just as a letter goes into an envelope.	39.	D	It is divided into 4 parts; the others are divided into 3 parts.
10.	E	The large circle has a smaller figure of itself inside; the others have different figures inside.	40.	DIMES	3 dimes, 2 nickles, and 1 penny is the only possible solution.
11.	C	EVIL is the reverse spelling of LIVE; the reverse of 5232 is 2325.	41.	D	The other figures are divided into the same number of triangles as the number of sides the figure has.
12.	FALSE	Example: "If some cats are animals and some animals are dogs, then some cats are definitely dogs." We cannot make this assumption definitely.	42.	COUNTRY	"MANGERY" = GERMANY.
13.	D	It is the only one made with circles.	43.	E	A hand goes into a mitten, just as a foot goes into a shoe.
14.	HOUSE	A tree comes up out of the ground, just as a chimney comes up out of a house.	44.	TRUE	Example: "If all dogs are animals and no animals are plants, then no plants are definitely dogs." We can definitely make this assumption.
15.	THREE	The order is "minus 2, plus 1, minus 2, plus 1," etc. Three violates this order.	45.	KANGAROO	The others walk on 4 legs.
16.	SMILE	The others are senses; smile is a facial expression.	46.	D	The letters in the other squares all move in order in a clockwise direction.
17.	B	The first two designs point in the same direction, just as the triangle and figure B point in the same direction.	47.	TWIG	Finger is an appendage of the hand, just as a leaf is an appendage of a twig.
18.	D	Without more information it is impossible to tell. We only know that both Peter and Bill are shorter than Jack.	48.	5	9 divided by 2 = $4\frac{1}{2}$, but it takes 5 trips even though John will only get one can on one of the trips.
19.	PURSE	The others are all articles of clothing that are worn.	49.	E	It does not have a twin.
20.	D	Substitute numbers for letters; C = 3 and A = 1.	50.	ELBOW	Foot is attached to leg and knee is a joint in the leg. Hand is attached to arm and elbow is a joint in the arm.
21.	CITY	"RAPIS" = PARIS.	51.	D	It has 2 black stripes; the other have 1.
22.	B	It is not made with straight lines.	52.	25	There are 12 students lower and 12 students higher, plus Mary is 25.
23.	CANNON	A bullet is fired from a gun, and a ball is fired from a cannon. The others do not involve an explosive force.	53.	CHEESE	Water changes into ice, and milk changes into cheese.
24.	FALSE	Example: "If some cars are green and all leaves are green, then some cars are definitely leaves." We cannot make this assumption definitely.	54.	FORTY-EIGHT	The order is "times 2, plus 3, times 2, plus 3," etc. 48 violates the order.
25.	B	The numbers indicate the position of the letters in the alphabet. E is the 5th letter in the alphabet, not the 6th.	55.	SALMON	The others are meats; salmon is a fish.
26.	I	The order is "A, skip 2 letters, D, skip 2 letters, G," etc. I violates this order.	56.	TRUE	Example: "If all dogs are mammals and all mammals are animals, then all dogs are definitely animals." We can definitely make this assumption.
27.	D	The geometric figures are reversed, and the position of the crosses and arrows either inside or outside the figures is reversed.	57.	E	Circles change into squares, and the shading is reversed.
28.	25%	Example: A \$1.00 item reduced 20% will sell for 80¢. To sell it at \$1.00 again, you must increase the price 20¢. 20¢ is 25% of 80¢.	58.	ACRE	Acre measures area; the others measure distance.
29.	BRASS	The others are simple metals; brass is an alloy (a combination of two metals).	59.	C	The 4 sided square is divided into 4 squares, just as the 3 sided triangle is divided into 3 triangles.
30.	E	3 figures change into 3 different figures, and 5 figures change into 5 different figures.	60.	72"	The head is 9". the Tail is $18" + 9" = 27"$. The body is $9" + 18" + 9" = 36"$. $9" + 27" + 36" = 72"$. This may be solved algebraically as well.